

FIG. 1

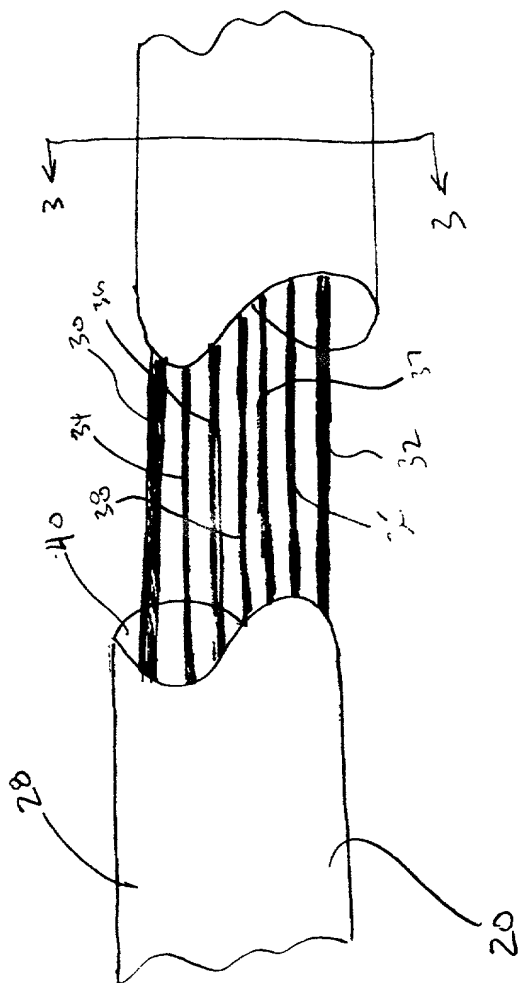


FIG. 2

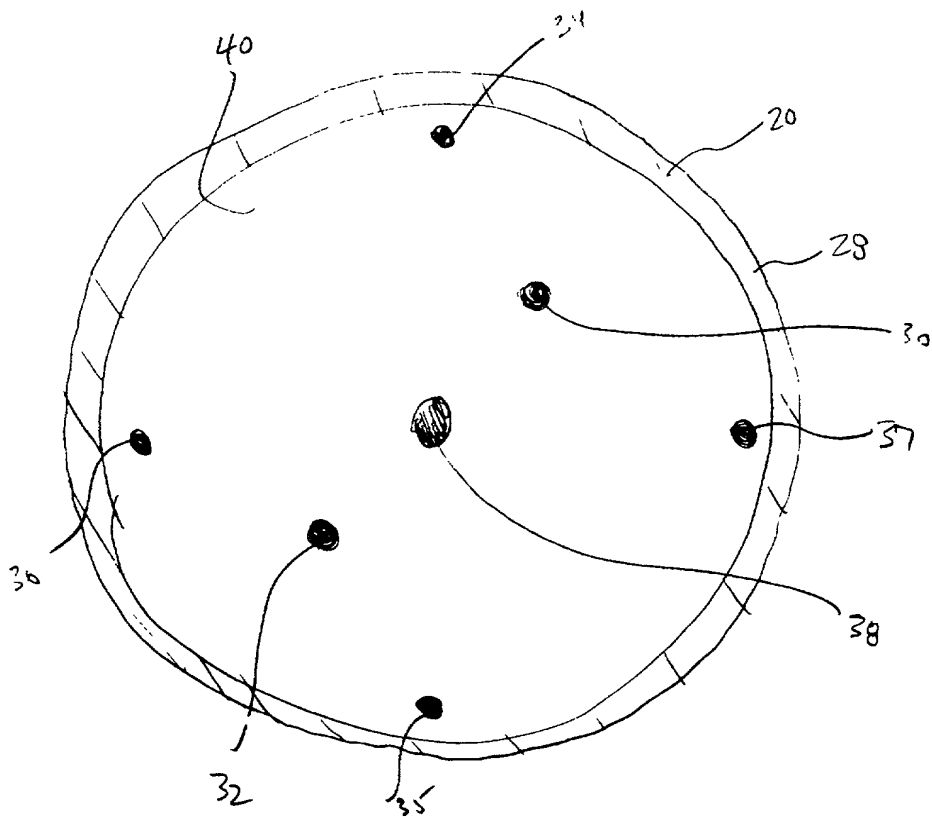
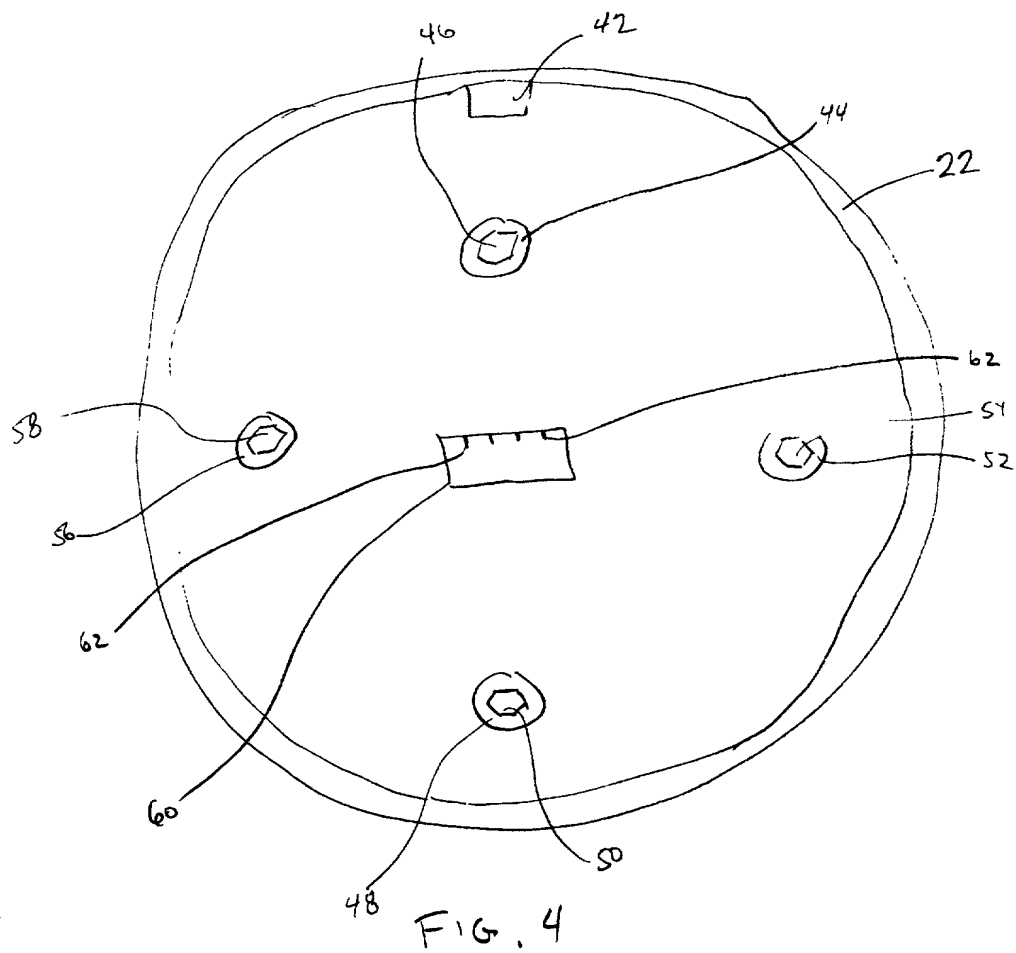
[illegible]

FIG. 3

0928739-06204



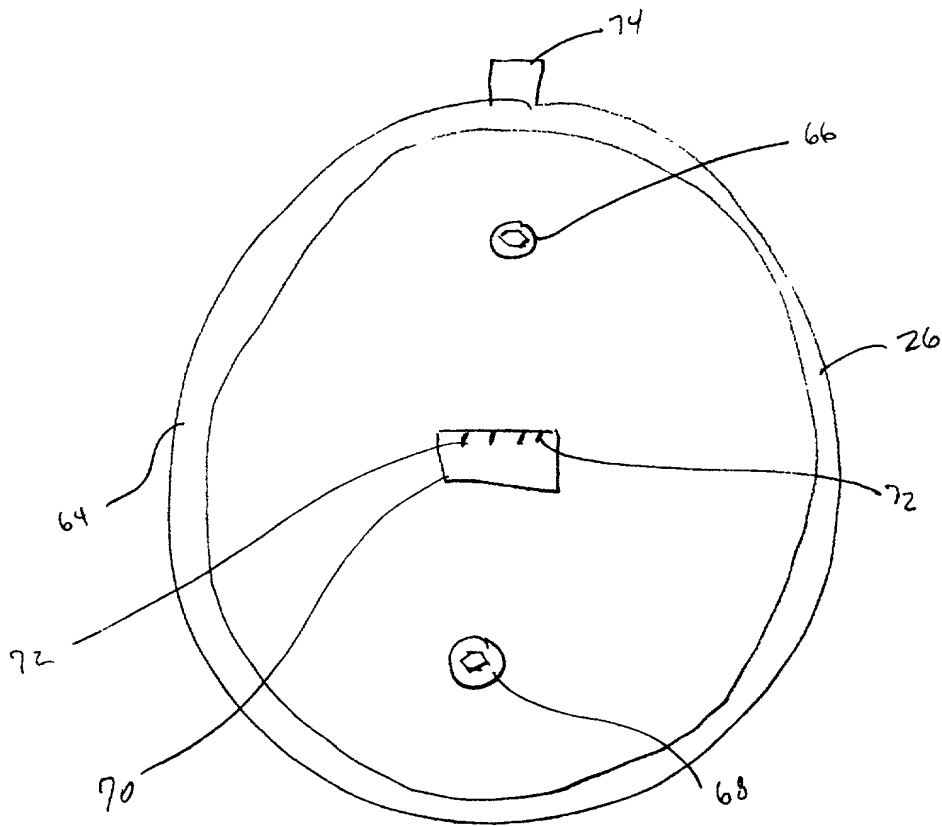


FIG. 5

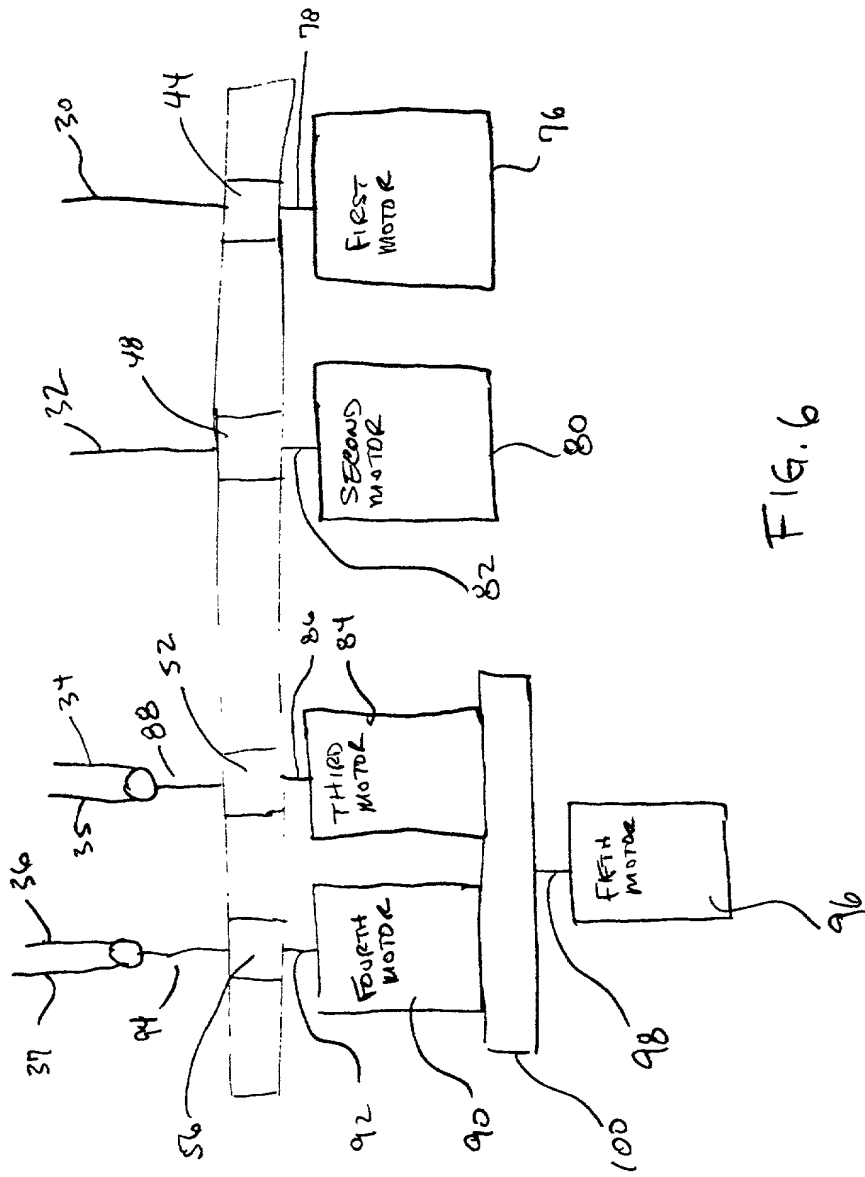
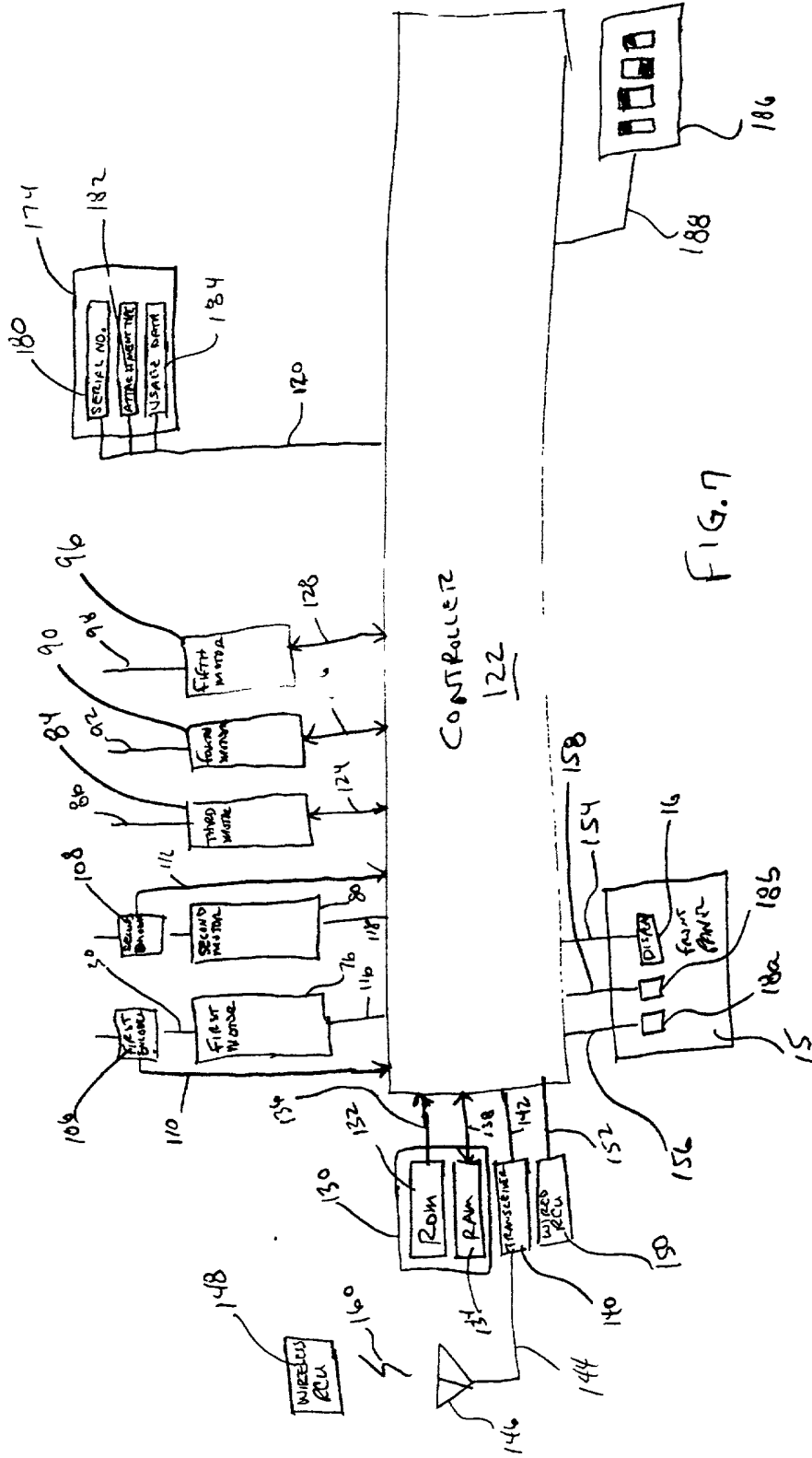


FIG. 6



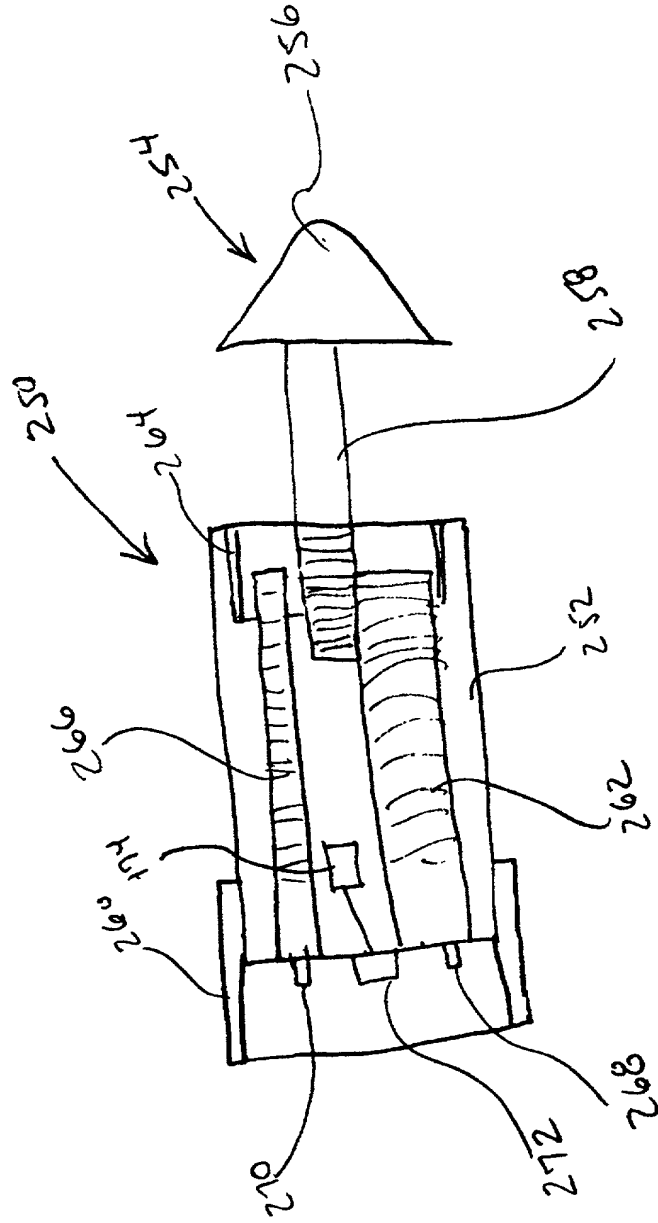


FIG. 9A

[illegible]

Figure 9B

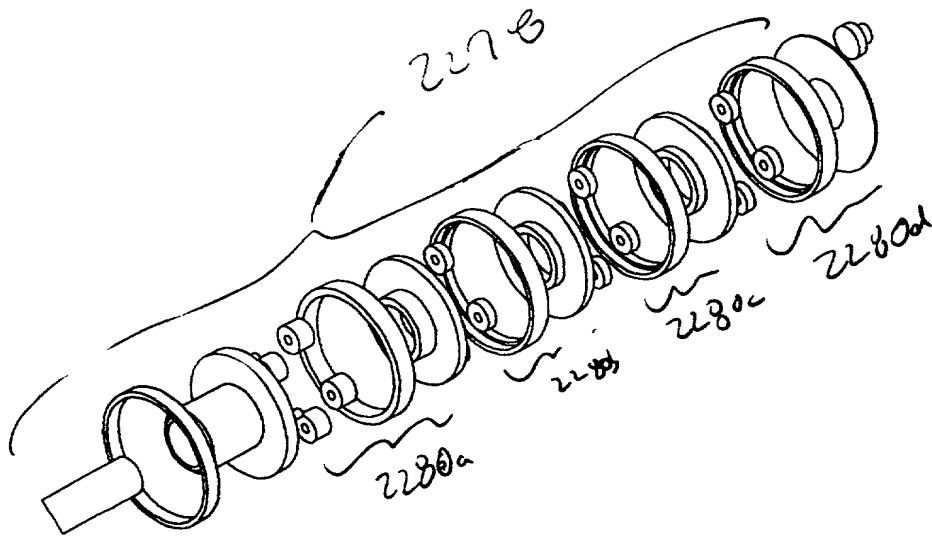


FIG. 9C

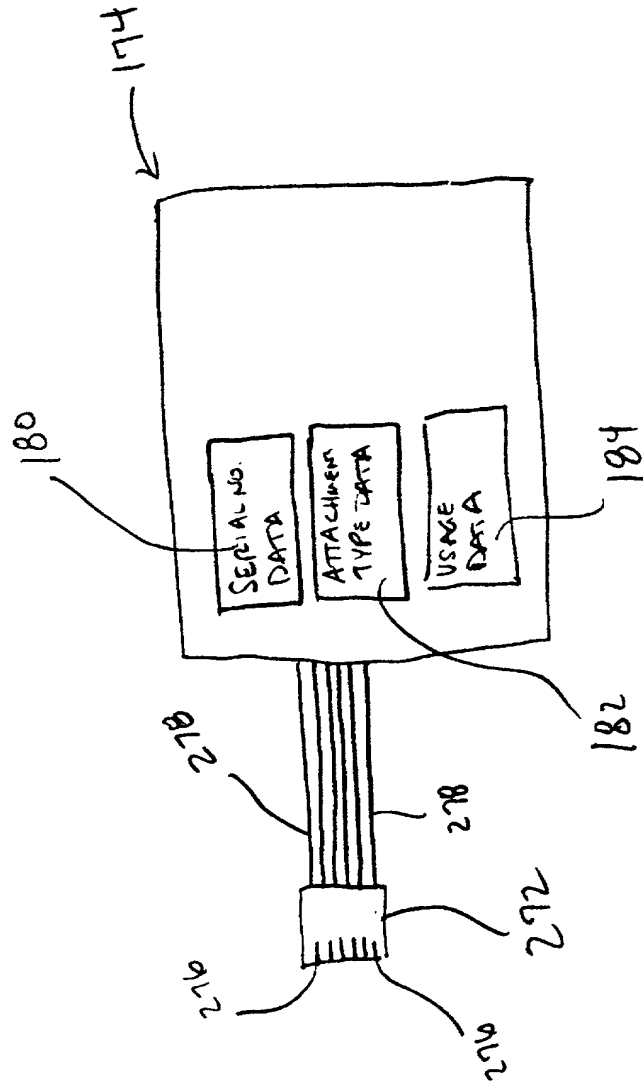
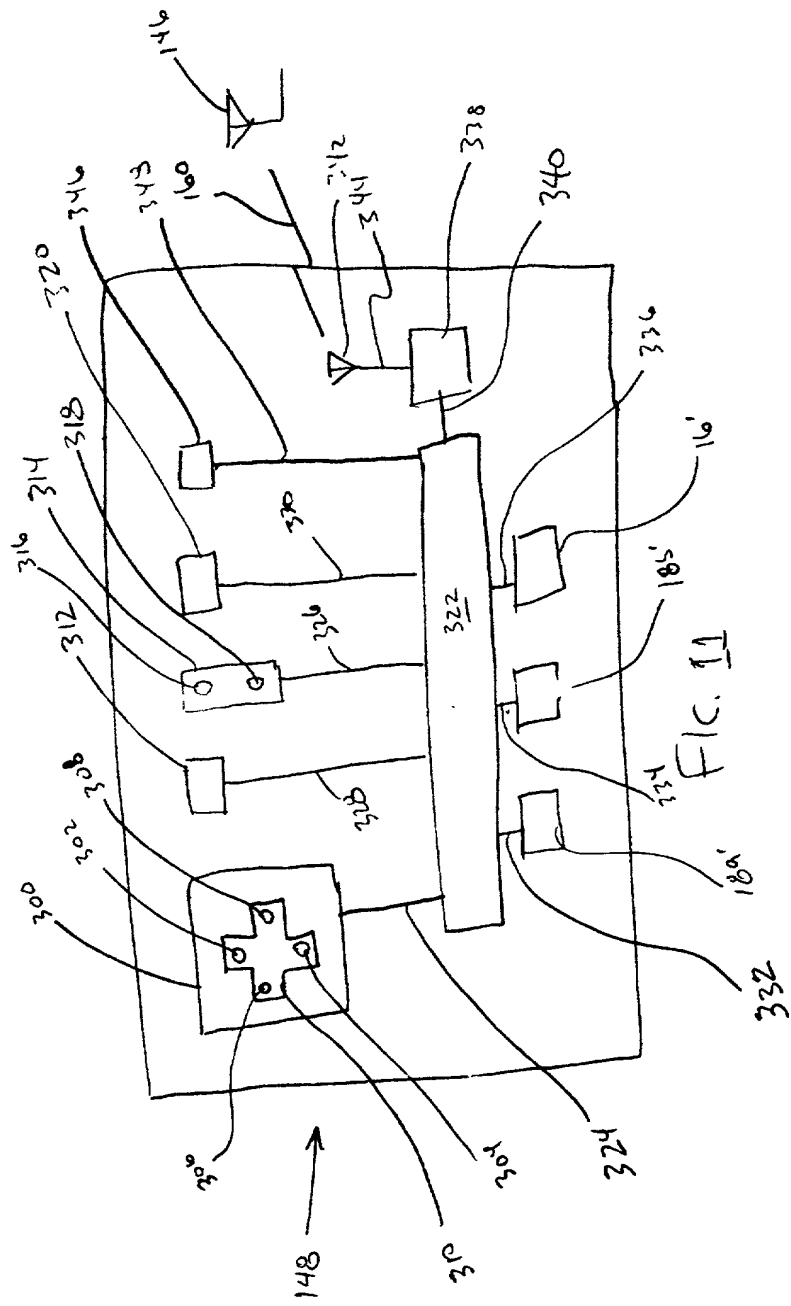


FIG. 10



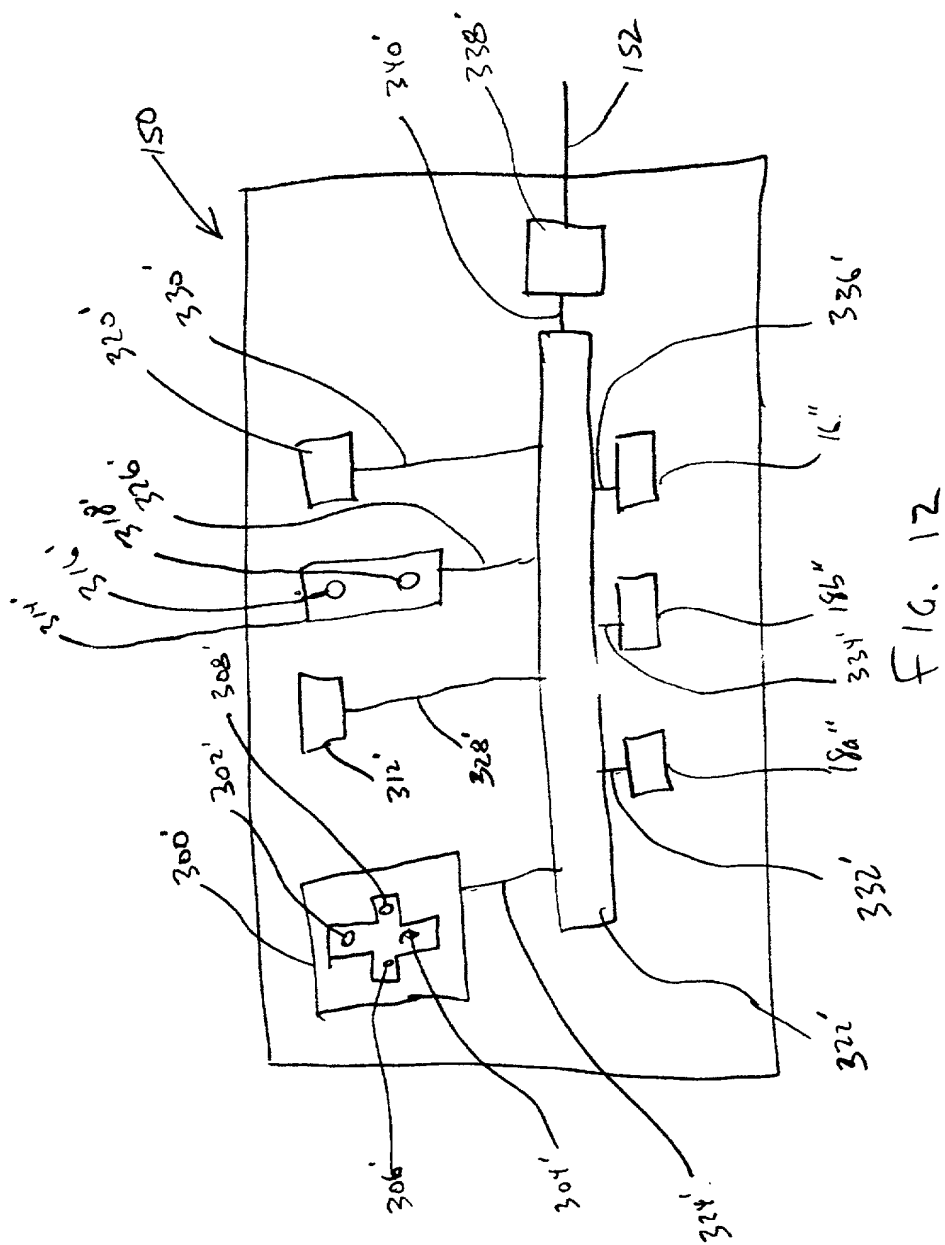


FIG. 13

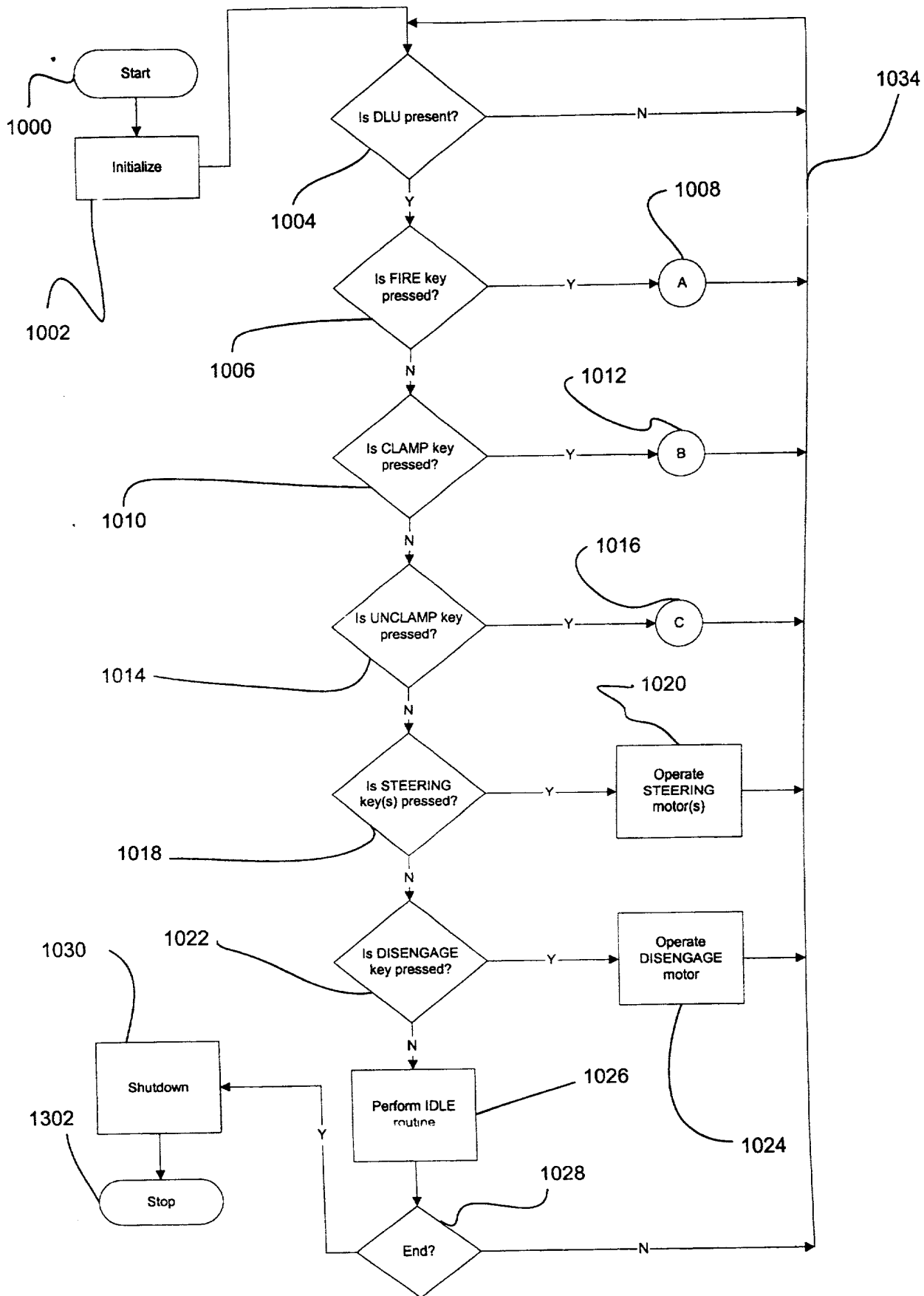


Figure 13

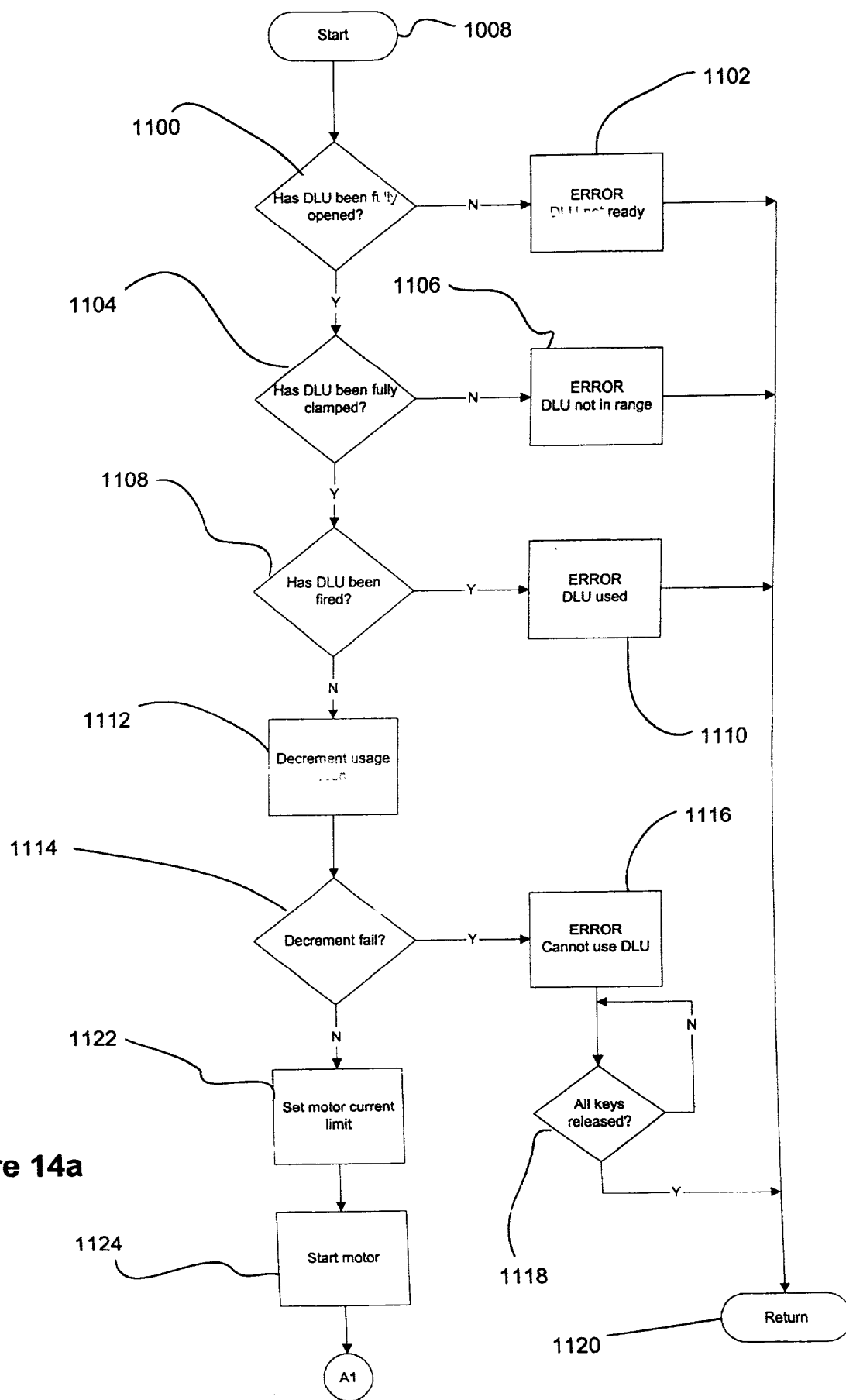


Figure 14a

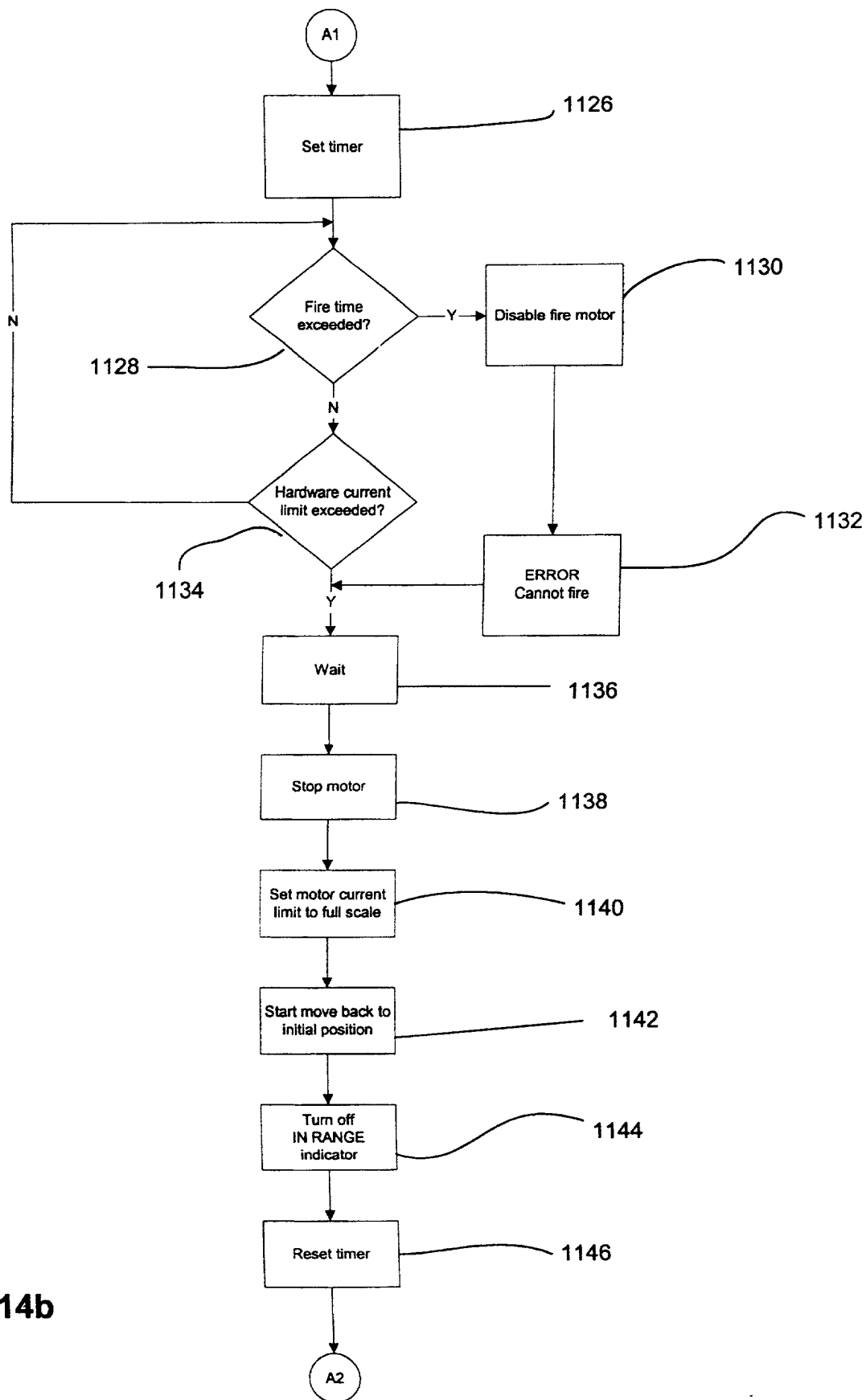


Figure 14b

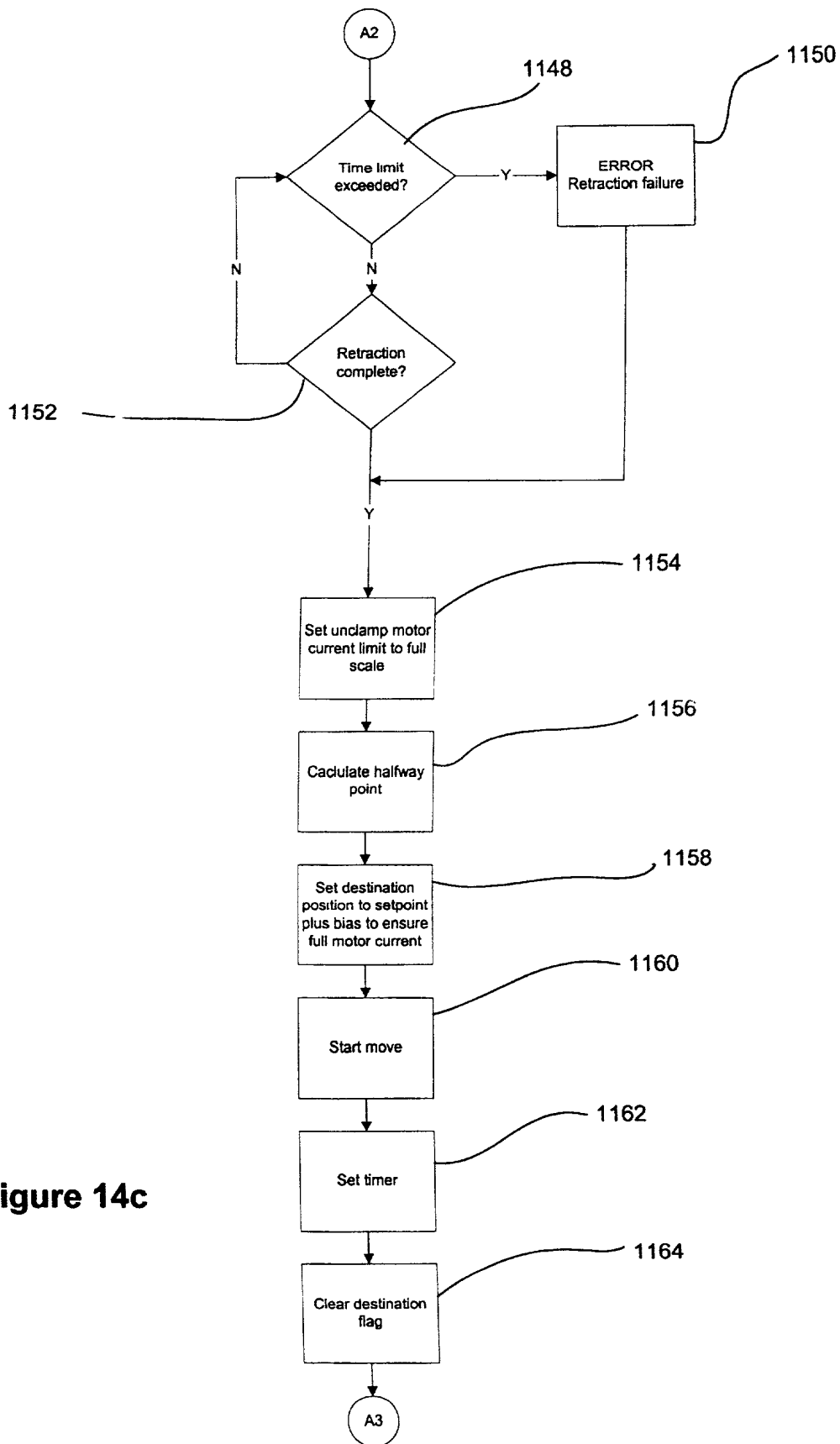
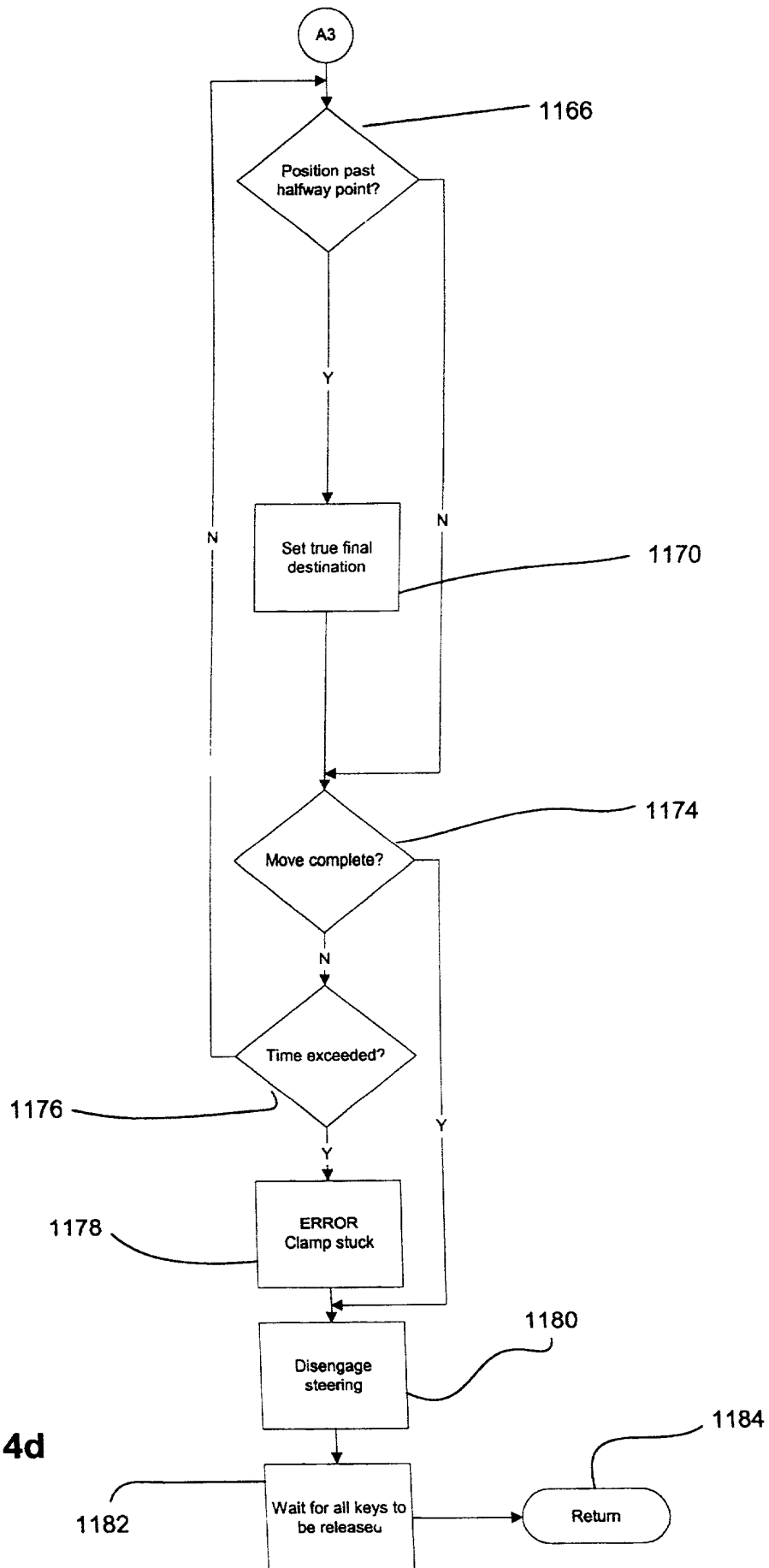


Figure 14c



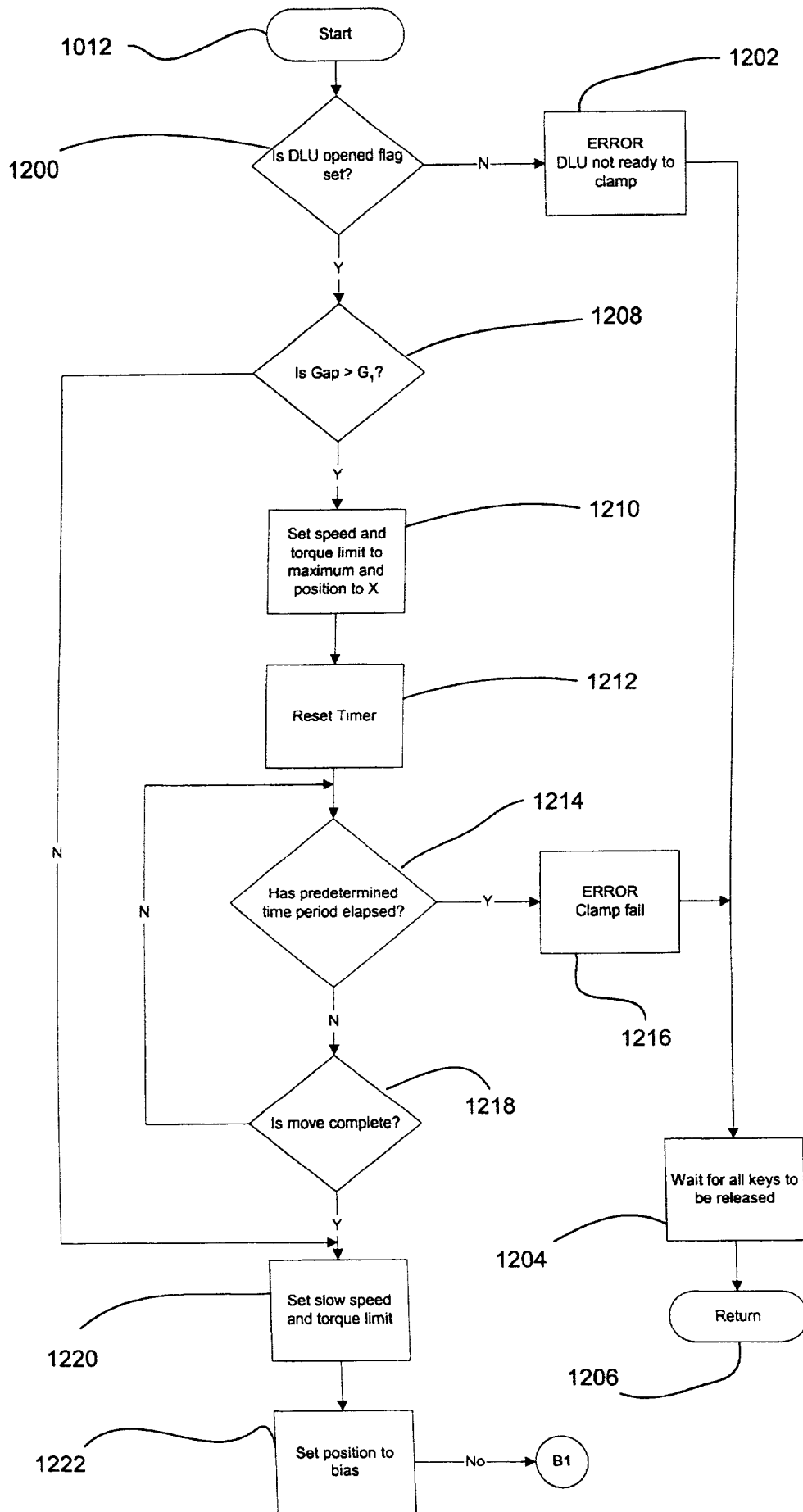


Figure 15a

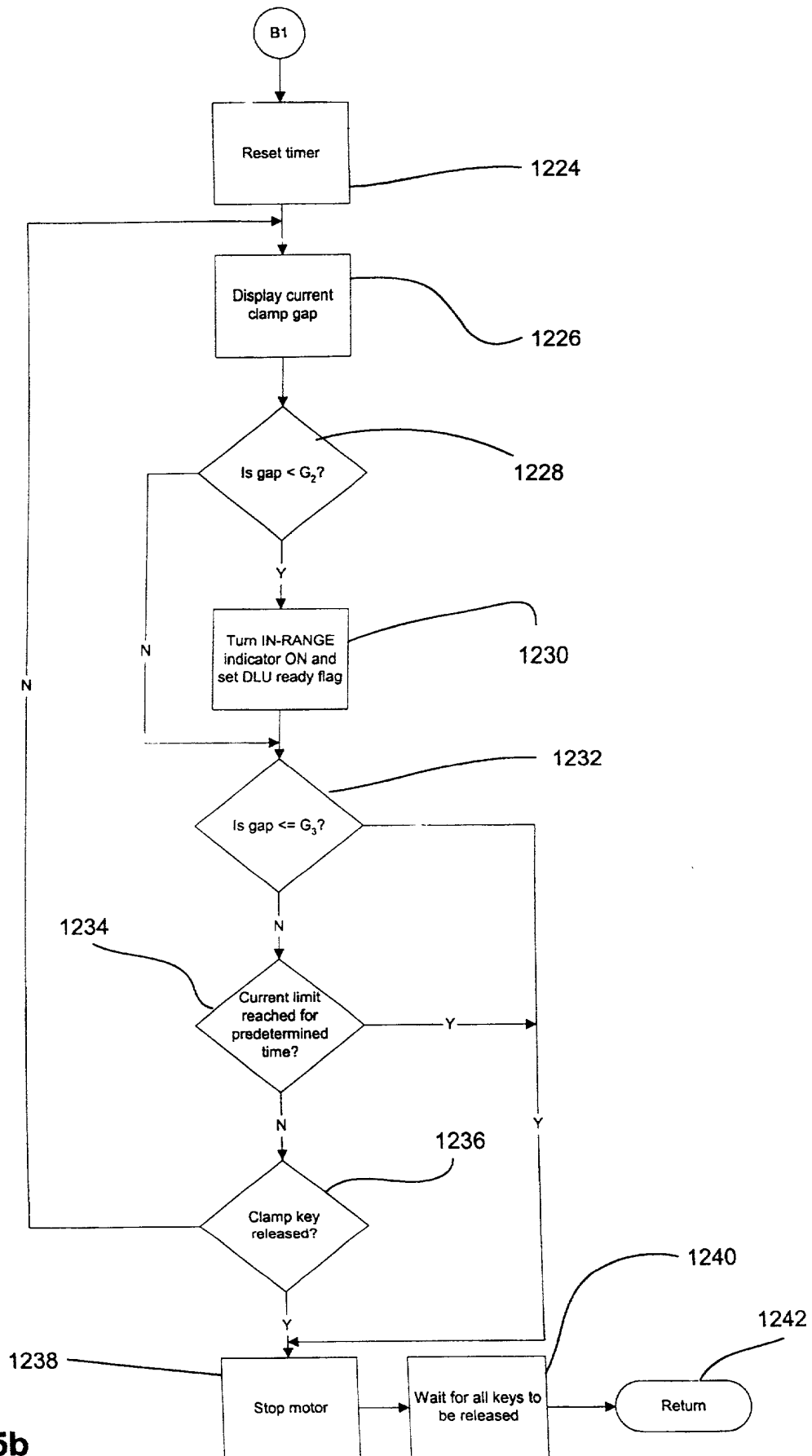
[illegible]

Figure 15b

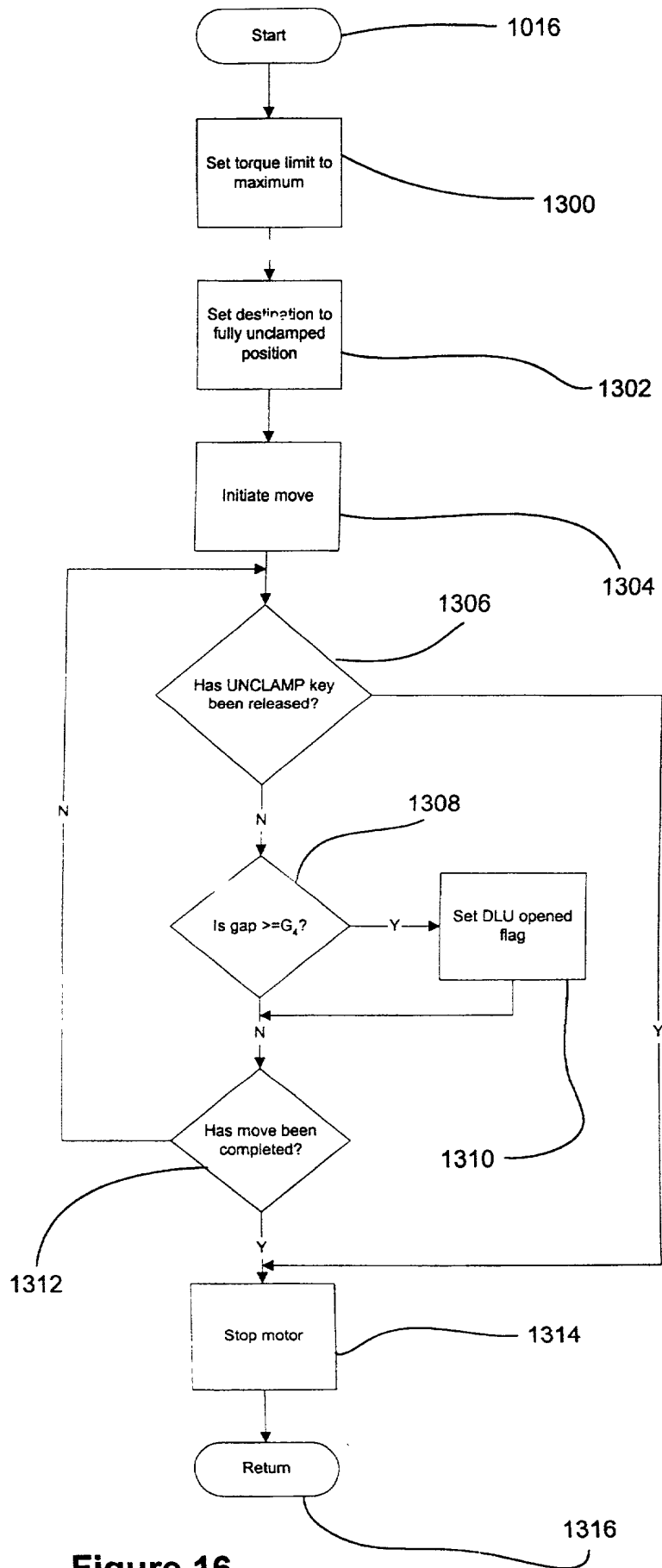


Figure 16

09087709 062204

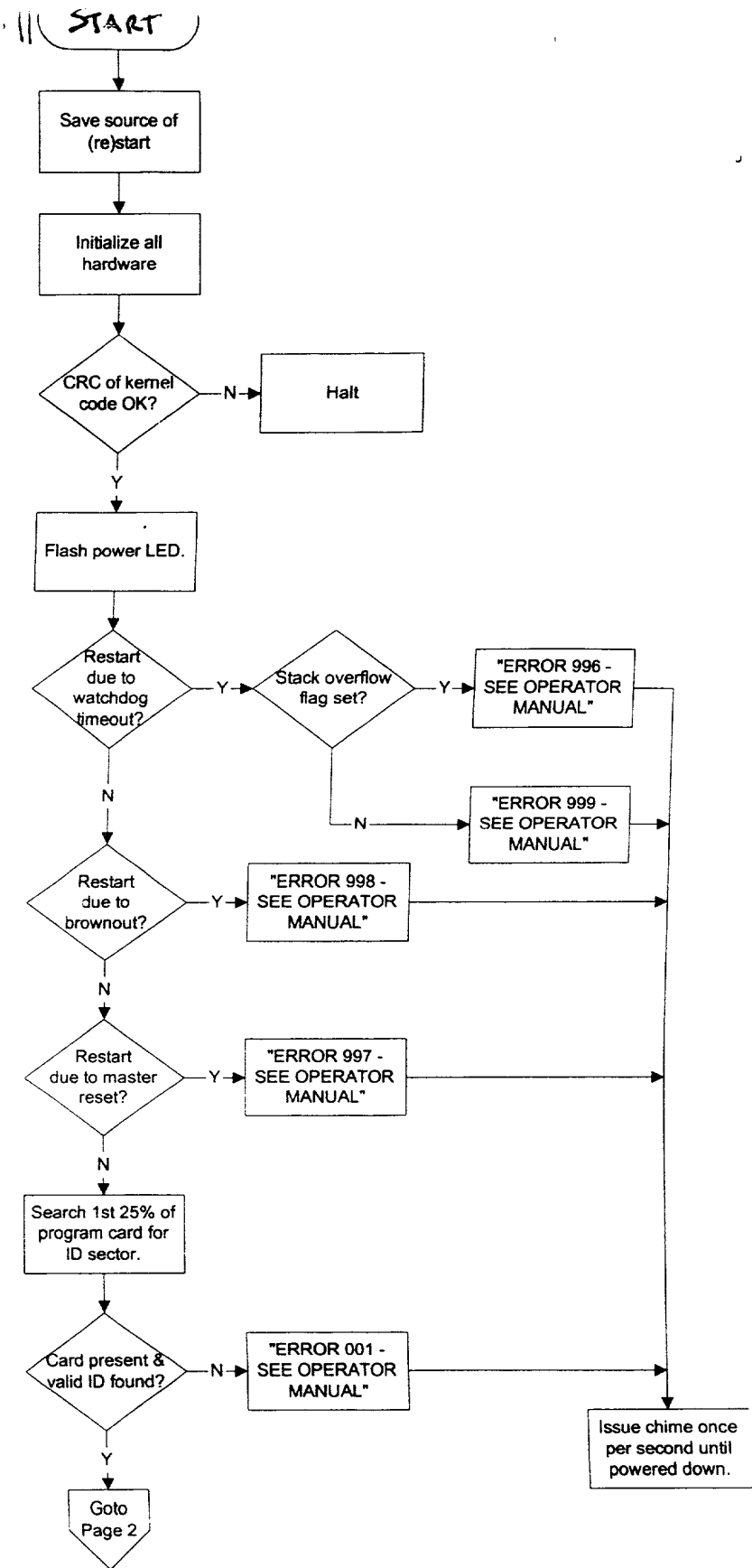


FIG. 17a

0903789-0004

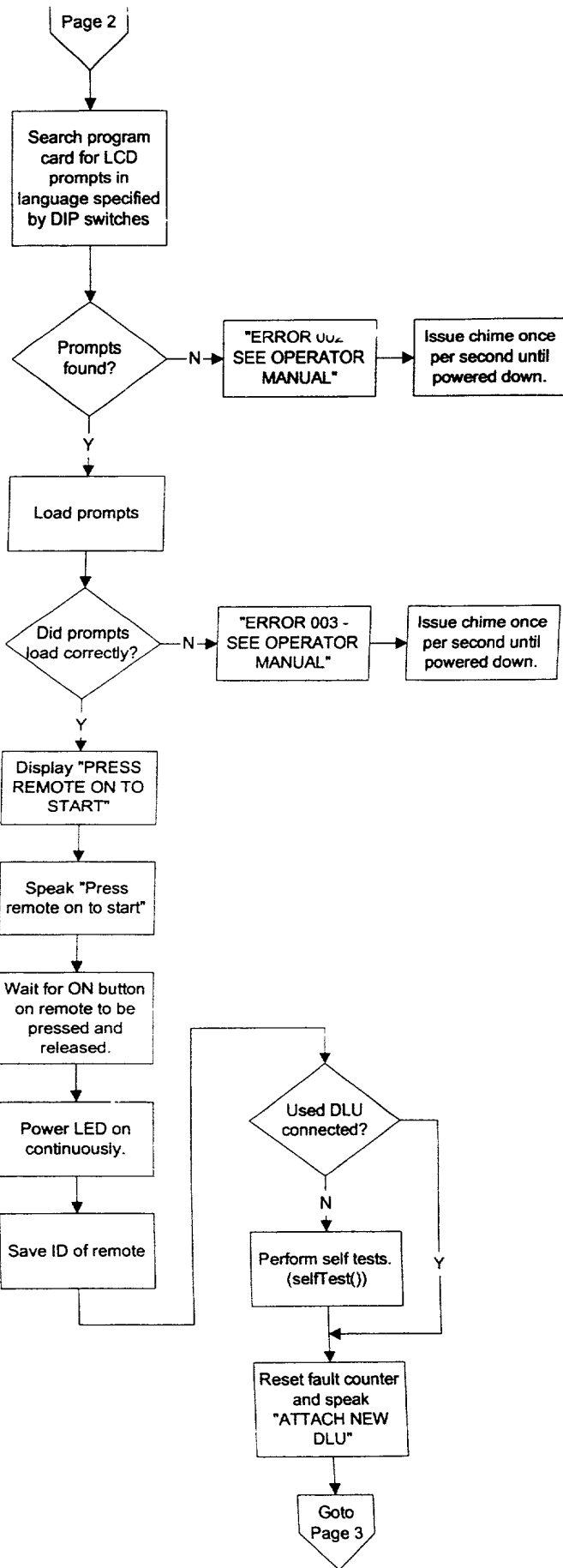


FIG. 17b

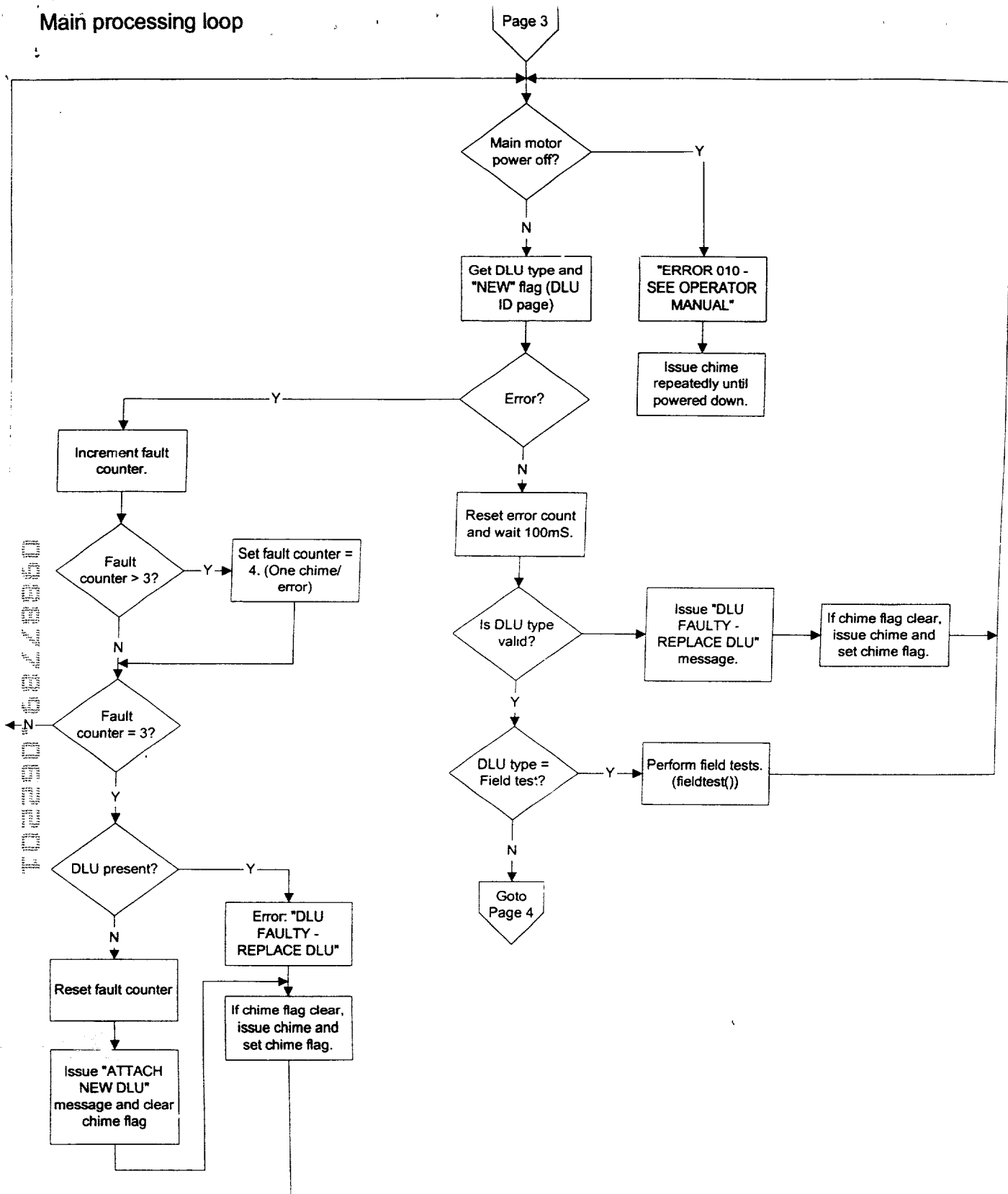


FIG. 17c

Figure 1 consists of 12 scatter plots, labeled (a) through (l), each showing the relationship between a specific variable and the number of children. The variables are: (a) Age, (b) Sex, (c) Education, (d) Income, (e) Employment, (f) Health, (g) Religion, (h) Ethnicity, (i) Marital status, (j) Family size, (k) Parental education, and (l) Parental income. Each plot shows a positive correlation between the variable and the number of children.

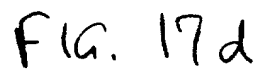


FIG. 17d

09087789 062204
T02290 6272860

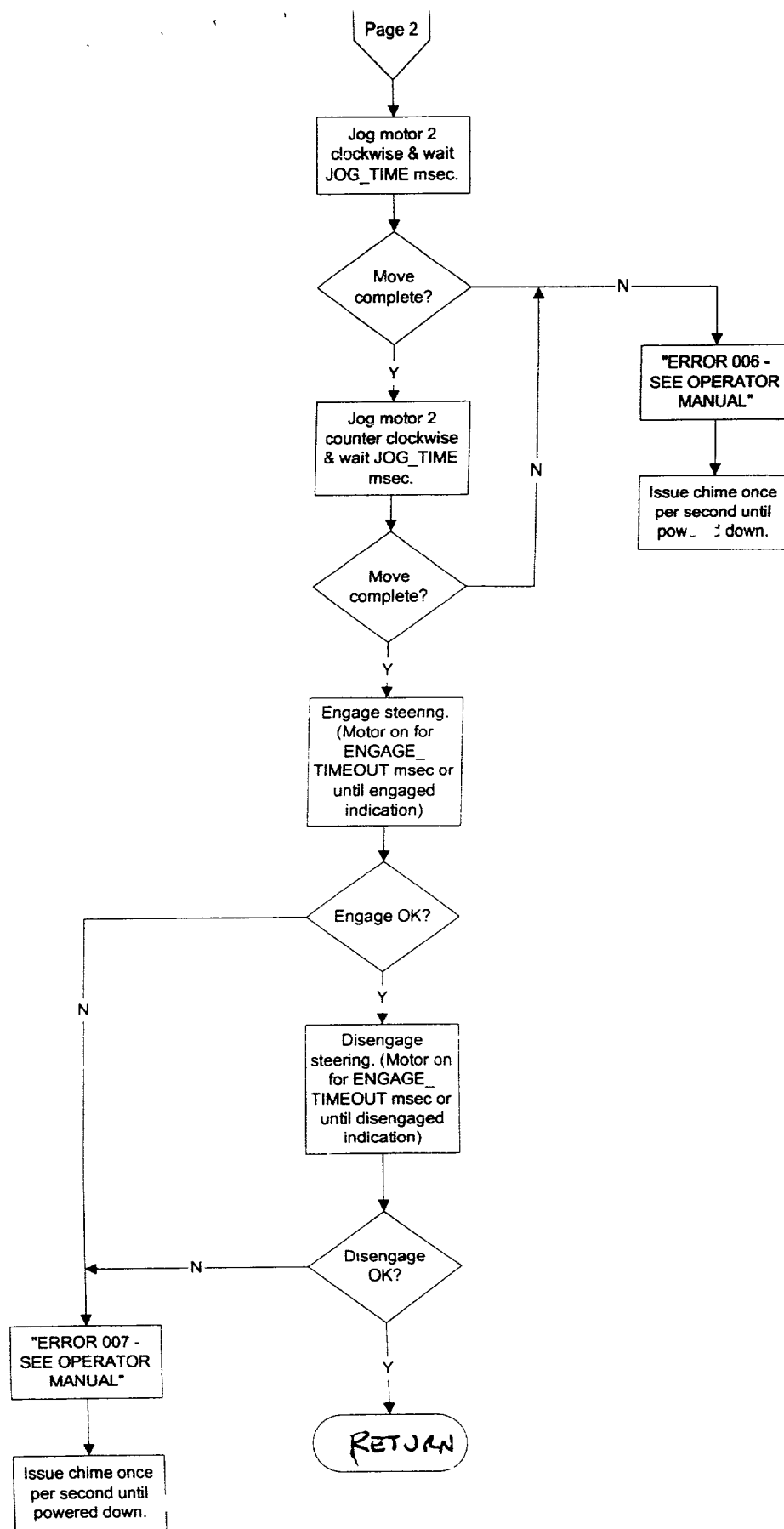


FIG. 186

START

Display
"FIELD TEST"
"PUSH ON TO
STEP"

Wait for ON key to
be pushed and
released.

Segment test LCD
till ON pushed.

Wait for ON key to
be released.

Display
"WINDUP 1 CW"

Activate motor 1
CW @ 80% drive

Wait
WINDUP_TIME
msec.

Read motor and
tool positions

Motor 1 off

Calculate windup
(Motor pos - tool
pos)

Windup too
high?

Error: "WINDUP
TOO HIGH"

Wait for ON key to
be pressed and
released.

Goto
Page 2

FIG. 19a

09087789 062001

T 000000 6020000

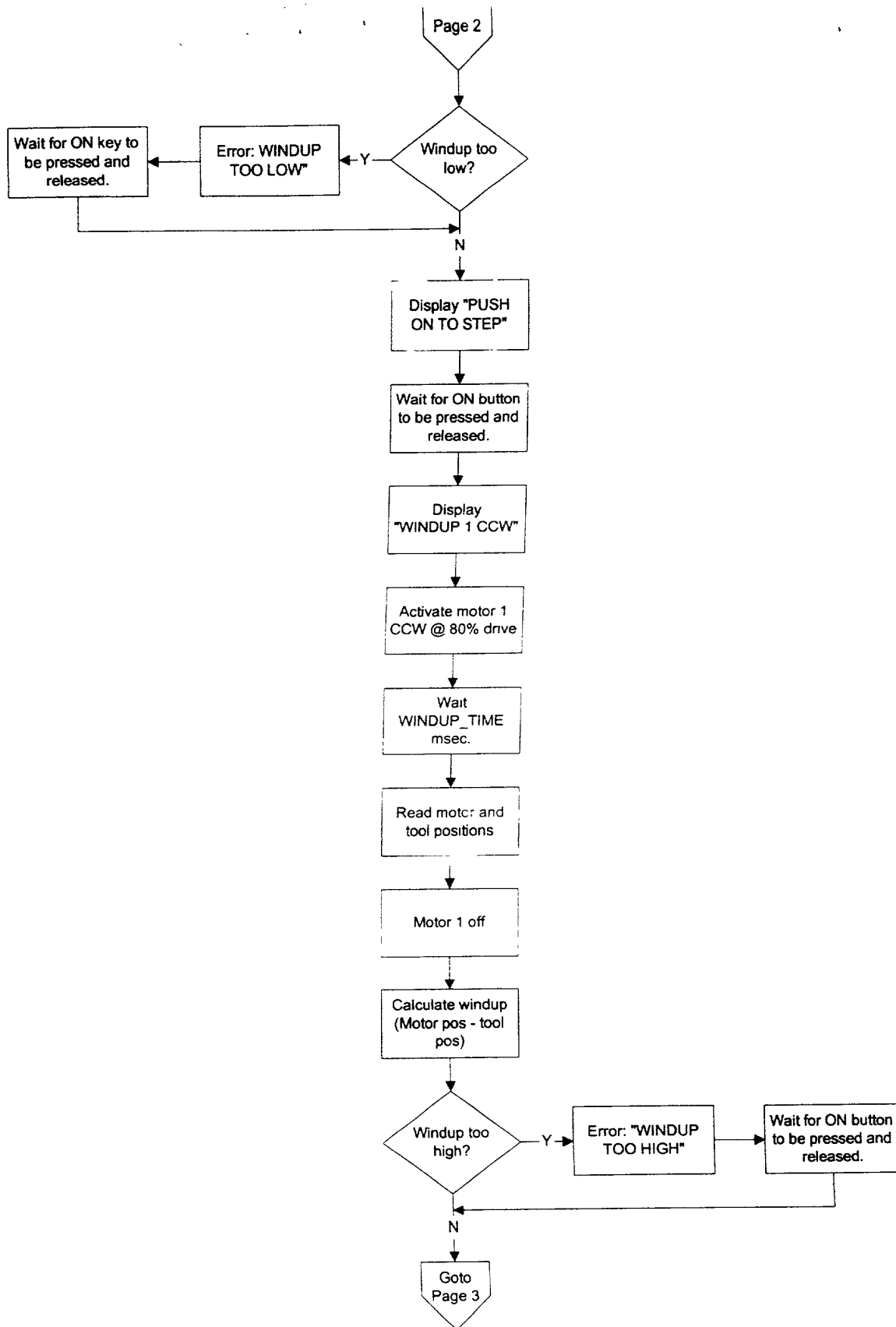


FIG. 196

09037709 062001

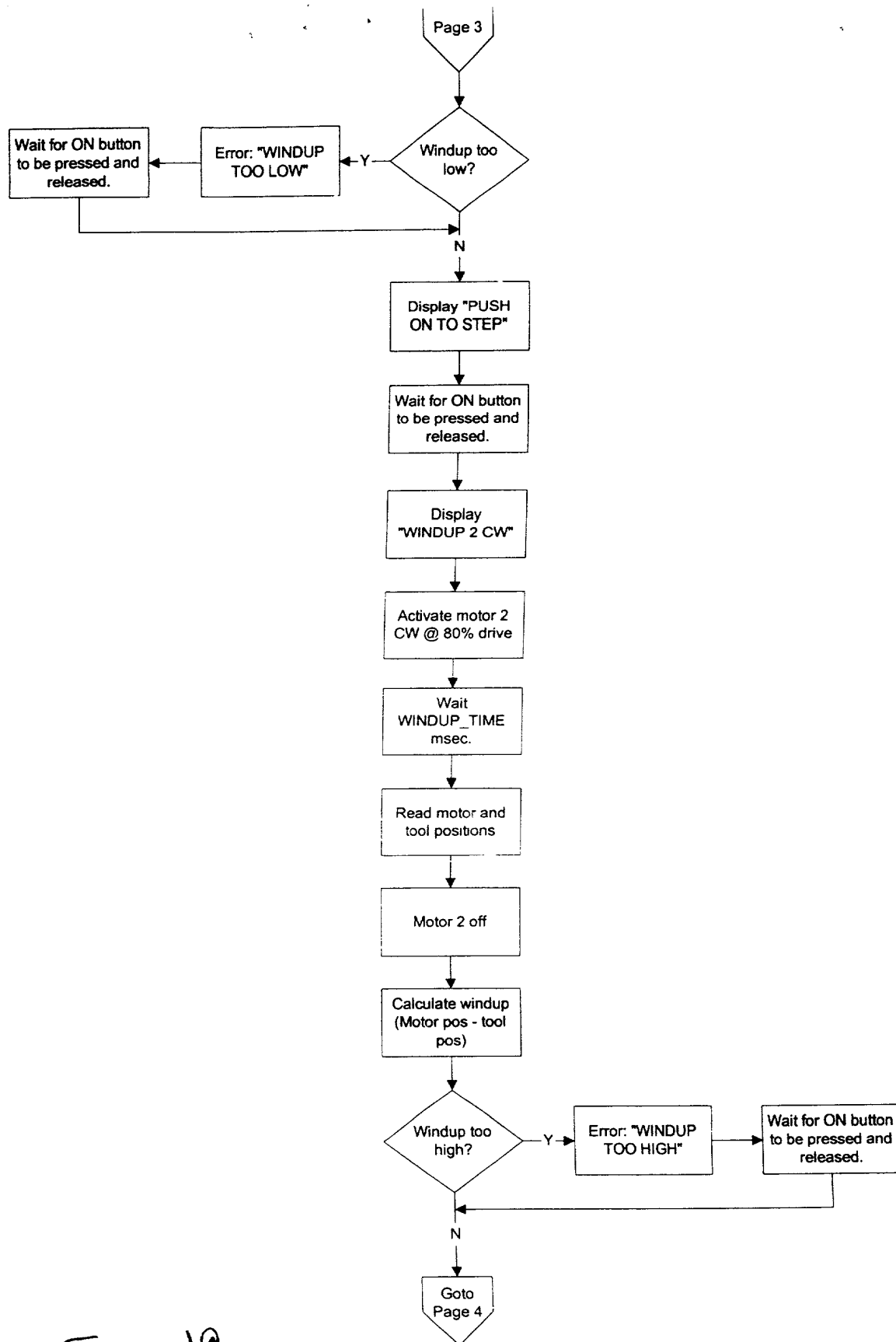
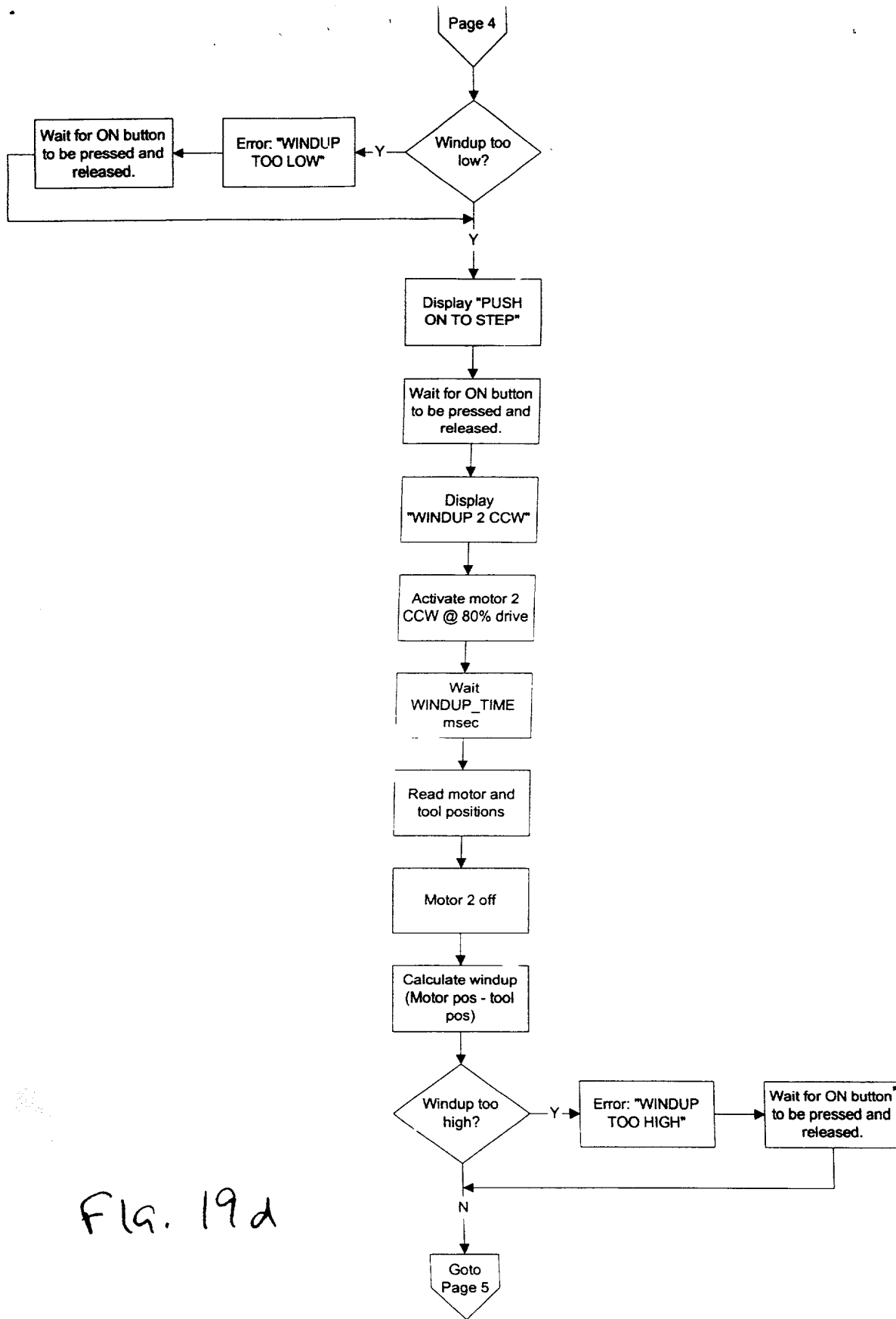


FIG. 19c

0982789 02204
T00250 582/2860



Fla. 19d

09887789 062204

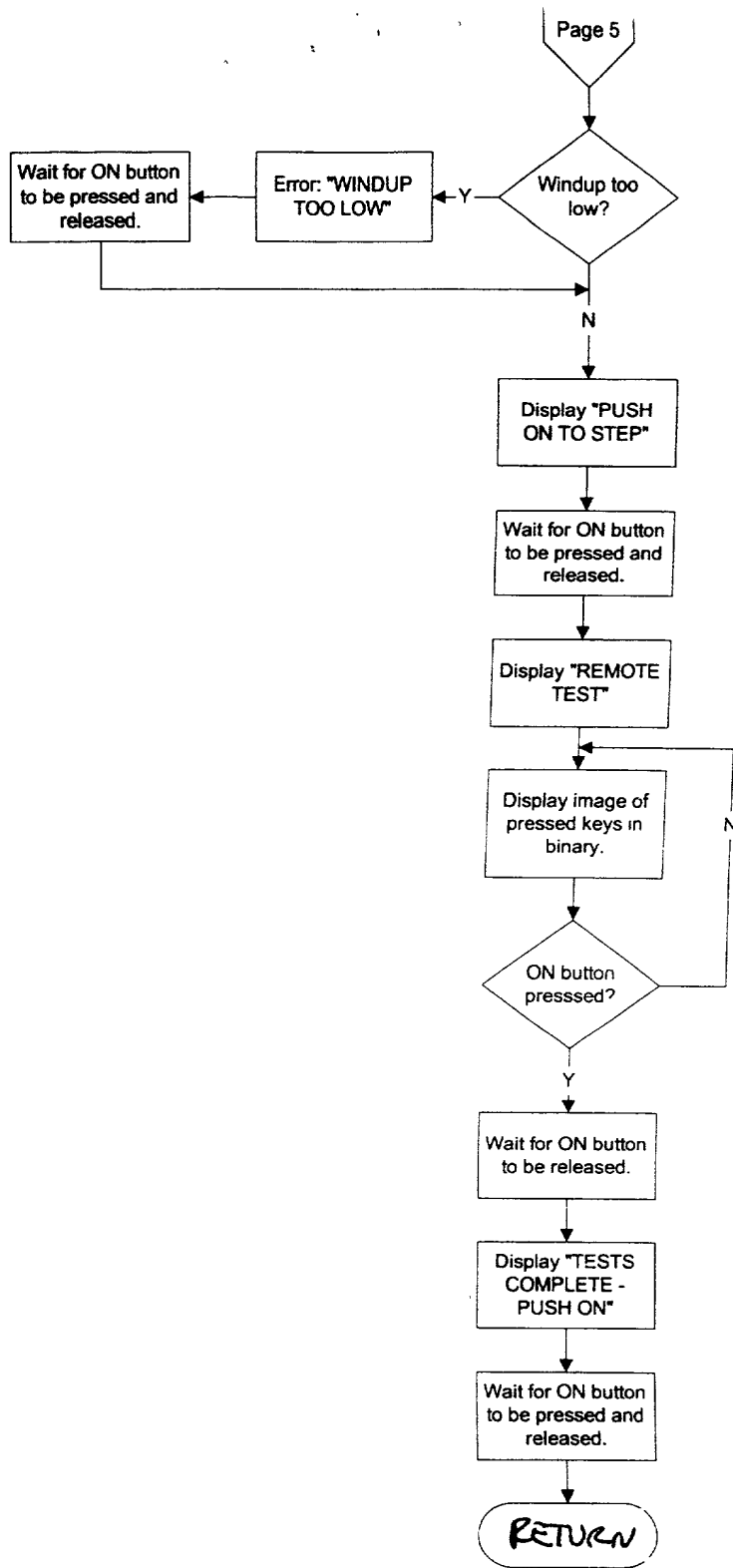


FIG. 19e

11 (START)

Initialize motor/tool
end positions:
1mm for clamp,
0mm for knife.

Clear DLU
opened, used,
present, old, and
ready flags.

*Kernel tries 3x w/ 100mS
between tries to read the DLU
EPROM.

Read DLU new
flag from EPROM.

Read OK?

Y

Read and save
serial number of
DLU.

*Kernel tries 3x w/ 100mS
between tries to read the serial
number of the DLU.

Read serial
number OK?

Y

Is DLU new?

Y

Display message
"ATTACH NEW
DLU"

Set old DLU flag,
fast blink rate,
issue chime.

Set DLU used flag
to suppress self
test on open.

Display and speak
"READY"

Reset timer, fire
button timer, and
fire button count.

Goto
Page 2

N

Error: "DLU
FAULTY-
REPLACE"

Issue audible
chime and wait 1
second.

Return to kernel.

FIG. 20a

09027789 06204
T02290 622360

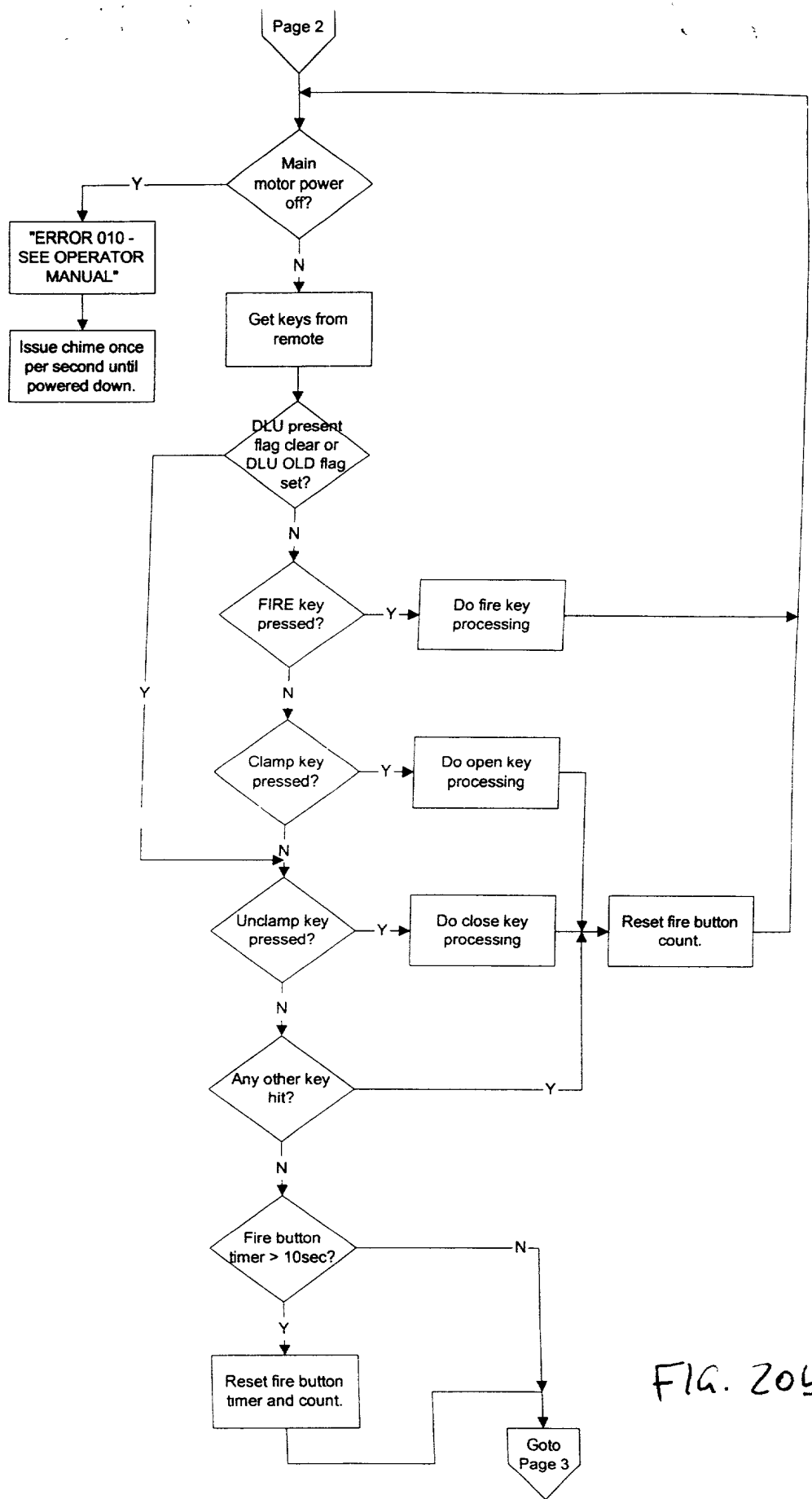
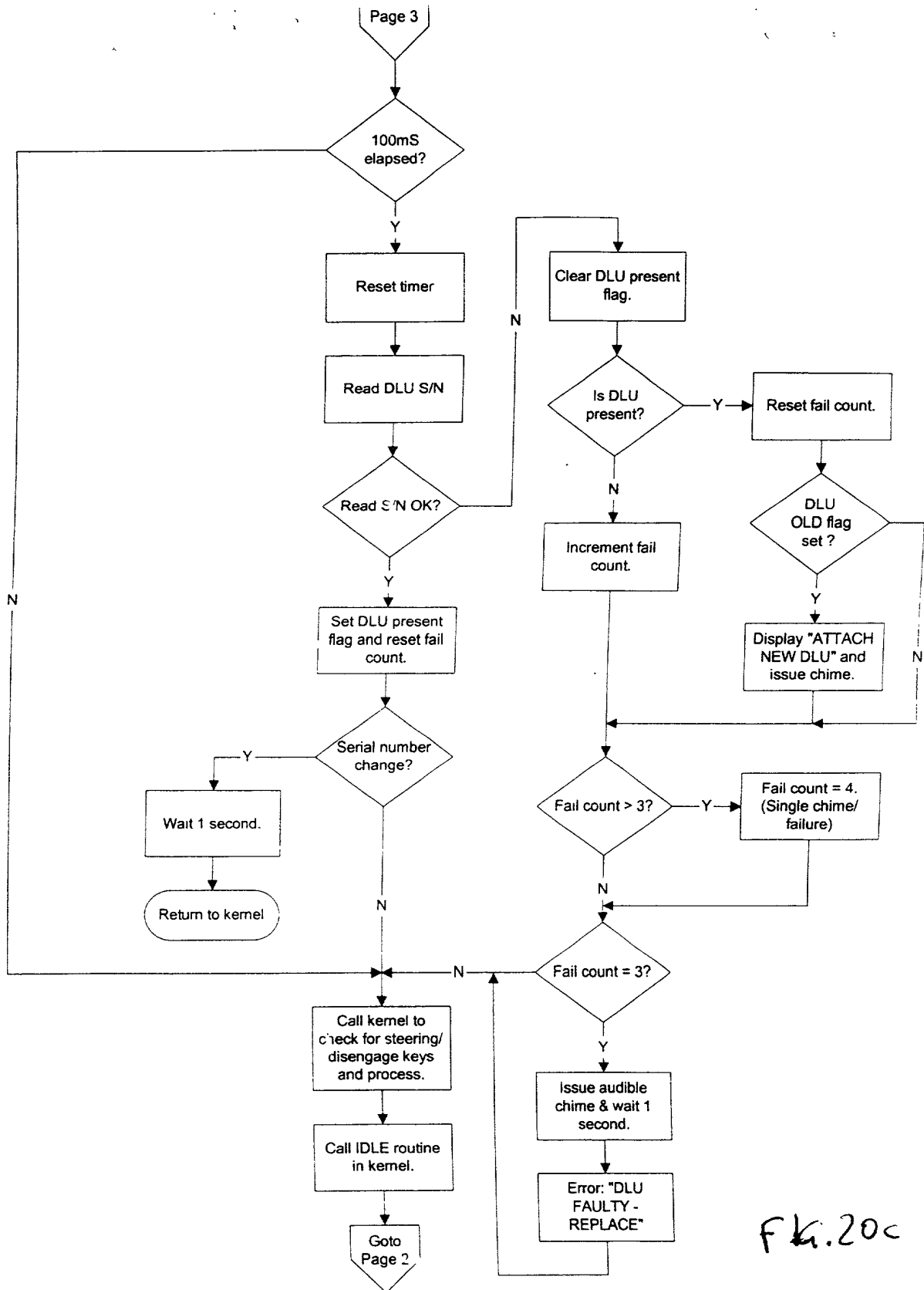


FIG. 206

0908778 0620



FK.20c

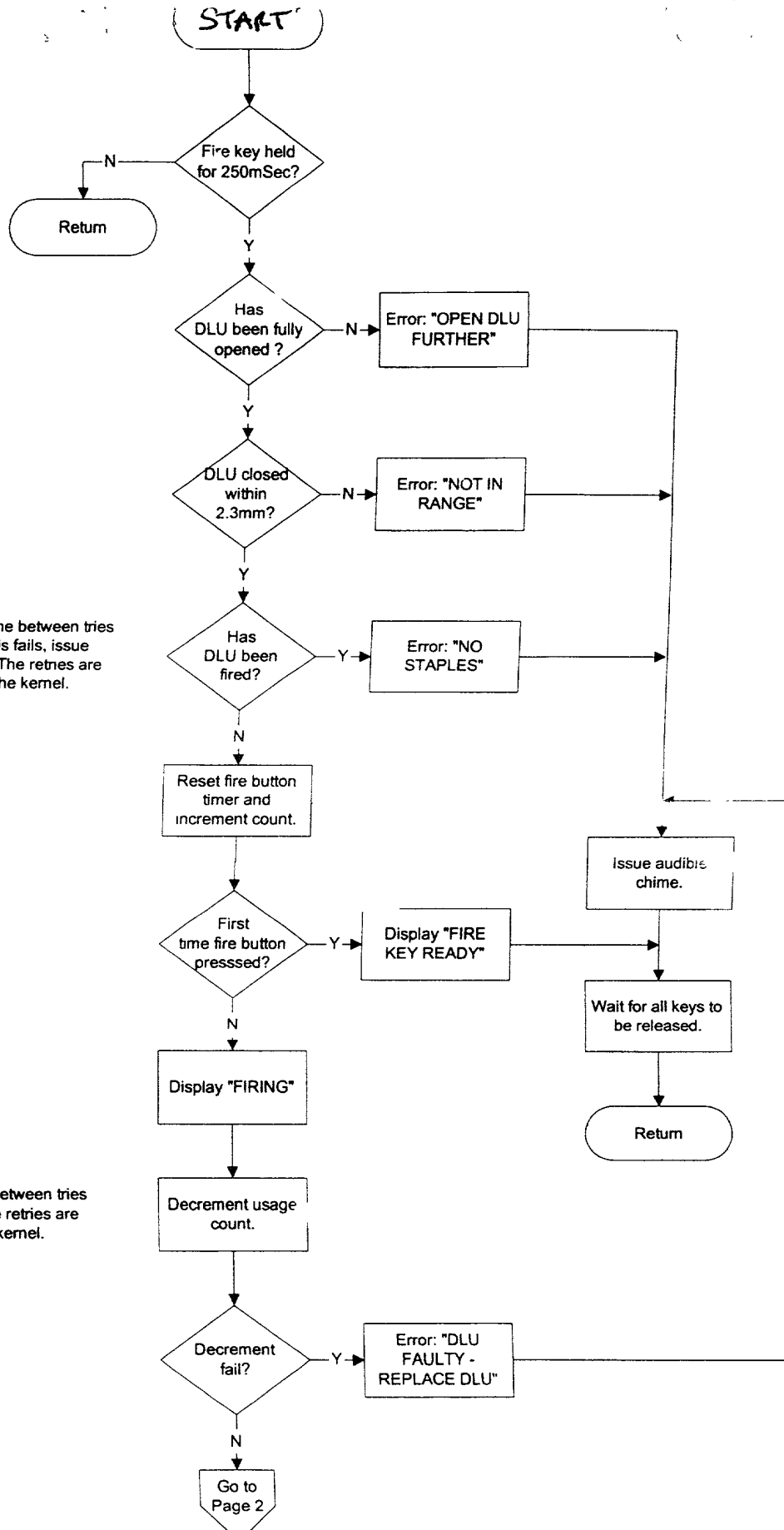
START

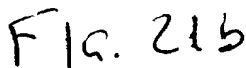
nt

*Try 3x w/ 100mS time between tries to read DLU. If this fails, issue message and exit. The retries are performed by the kernel.

*Try 3x w/ 100mS time between tries to decrement DLU. The retries are performed by the kernel.

FIG. 21a





Windup threshold is defined as `SHAFT_WINDUP_MAX`

102290" 52223360

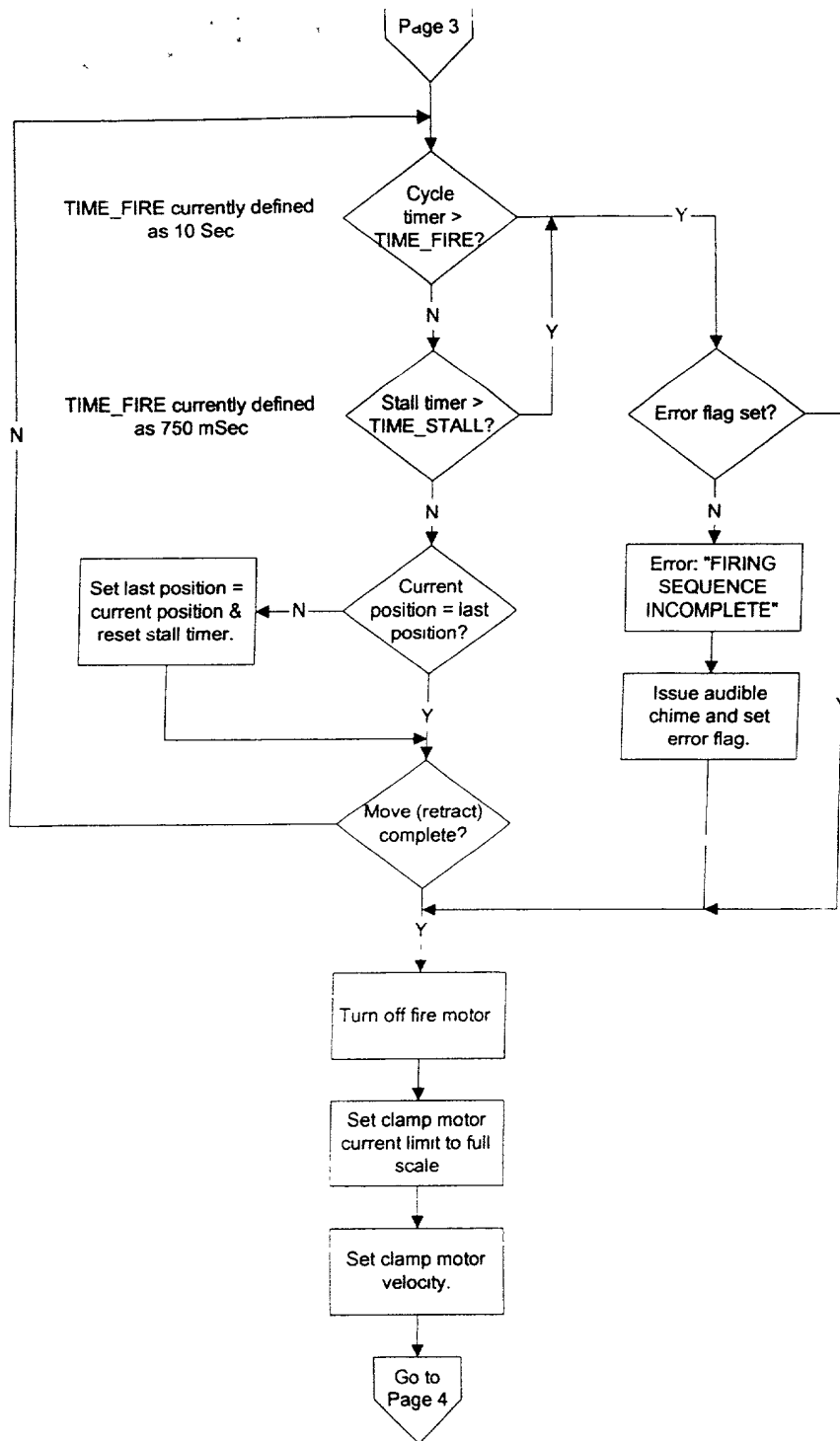


FIG. 21c

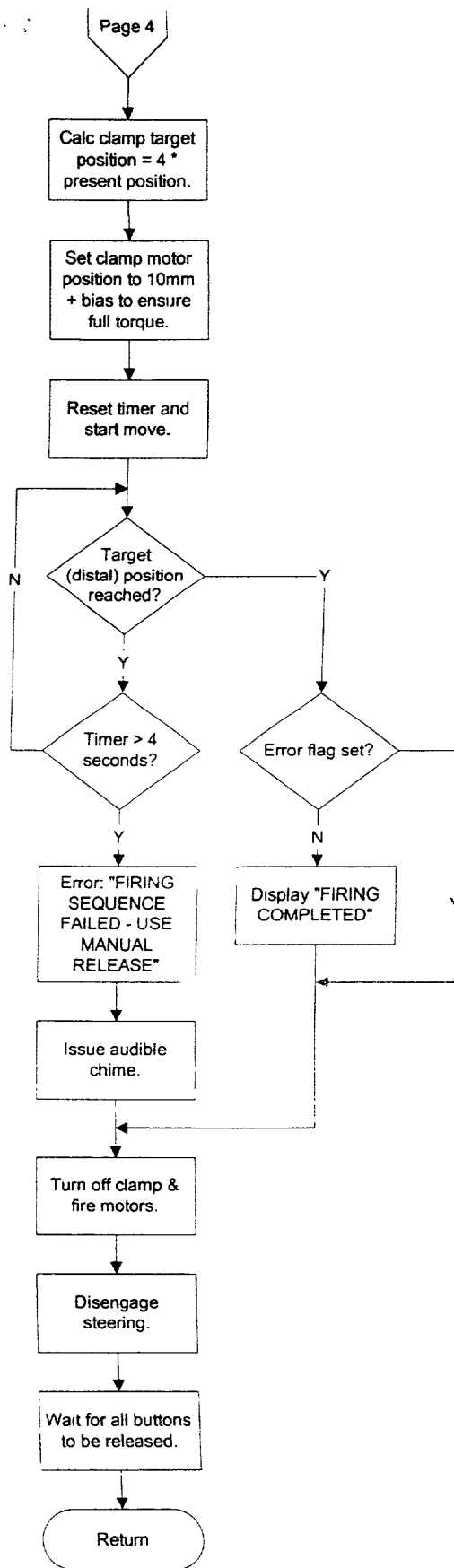
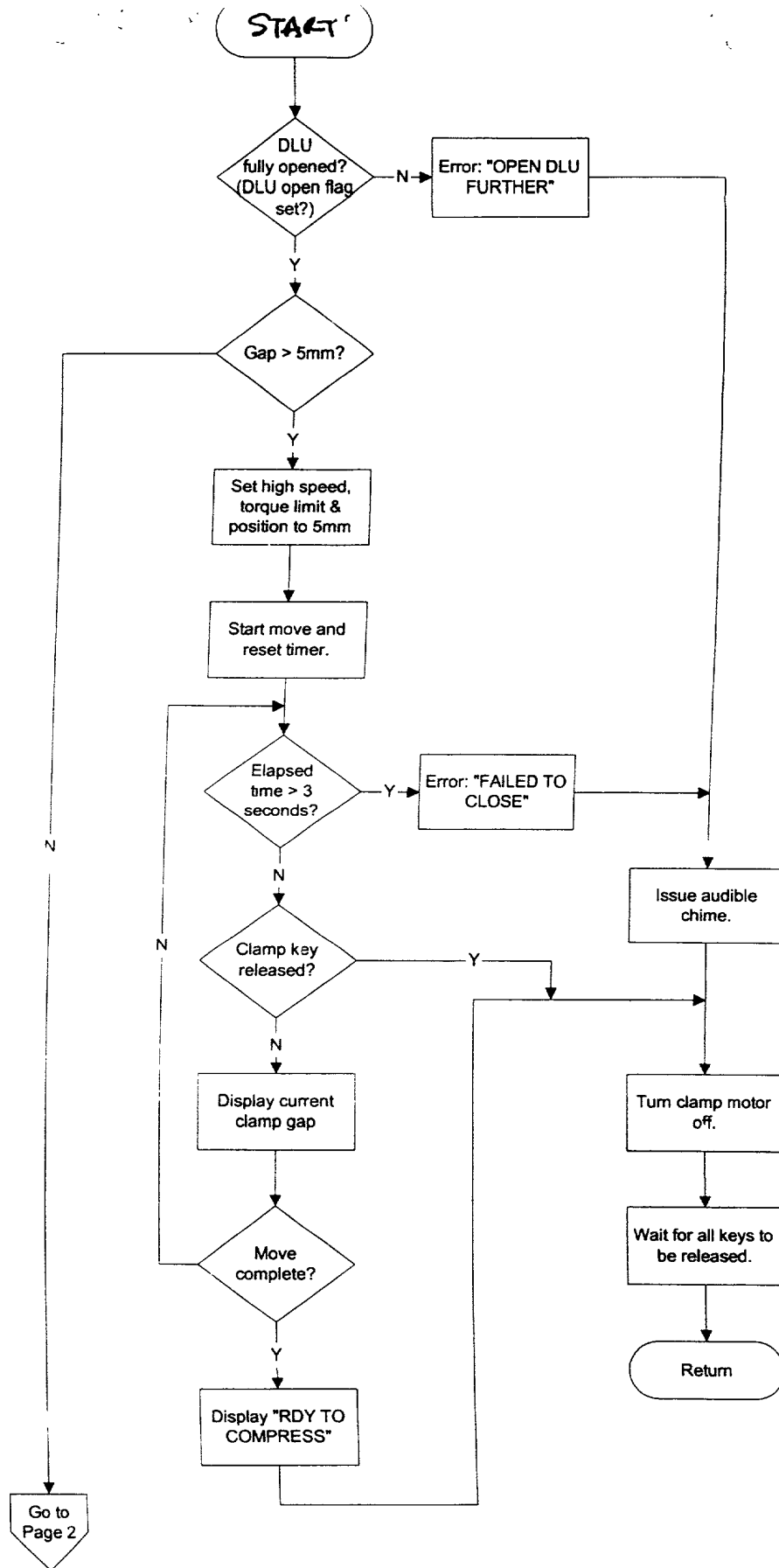


FIG. 21d

09087789 062901

FIG. 22a



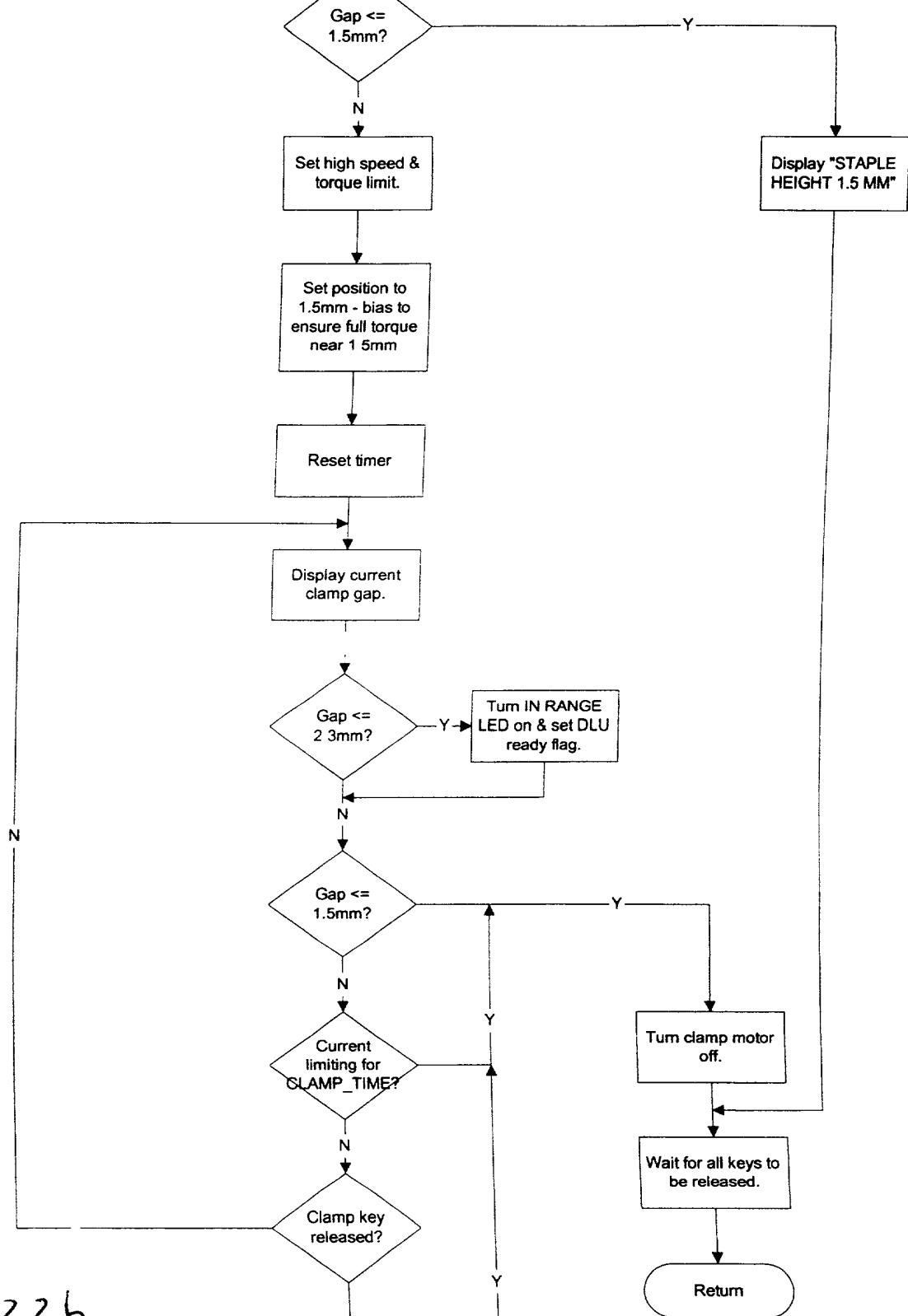


FIG. 22b

0907789 062004

(START)

*The kernel tries 3x w/ 100mS time between tries to write DLU.

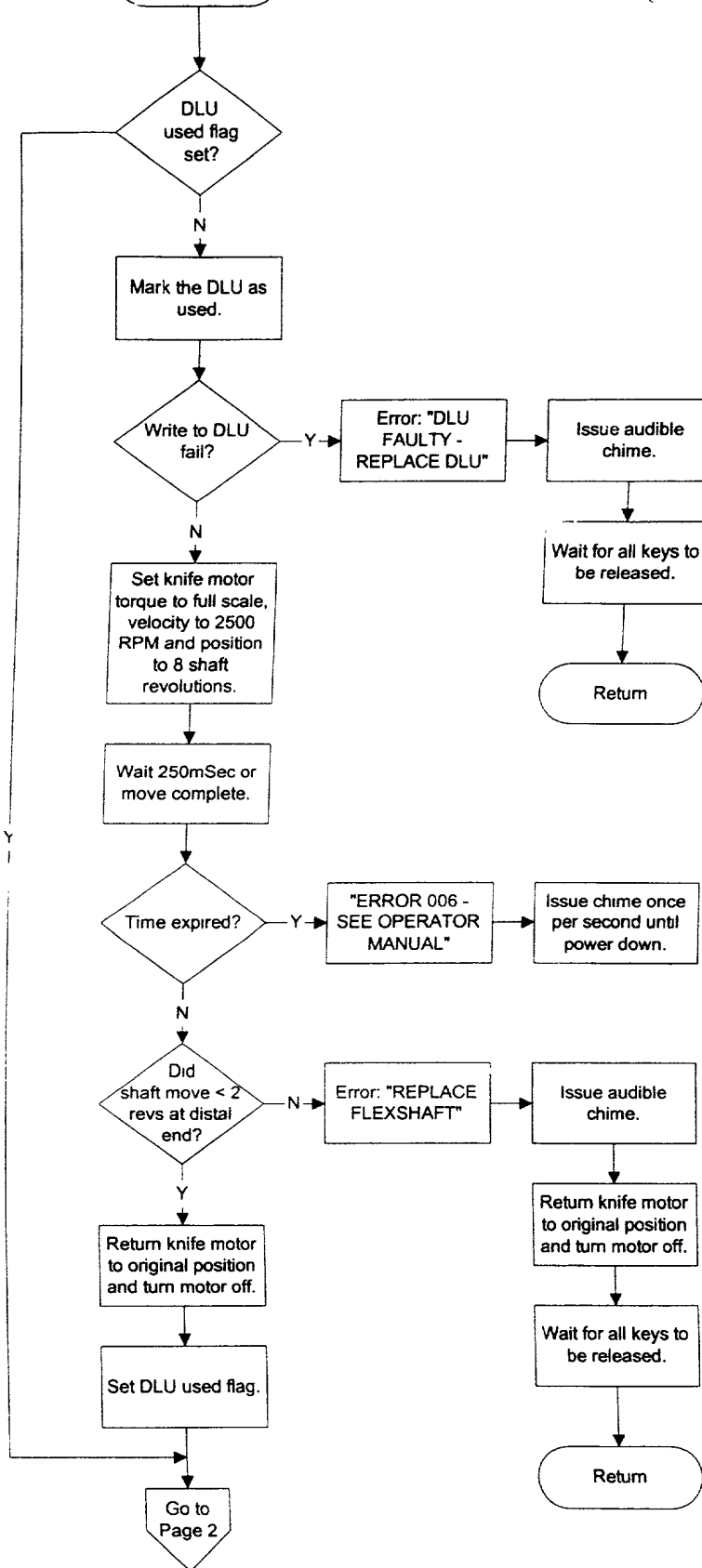


FIG. 23a

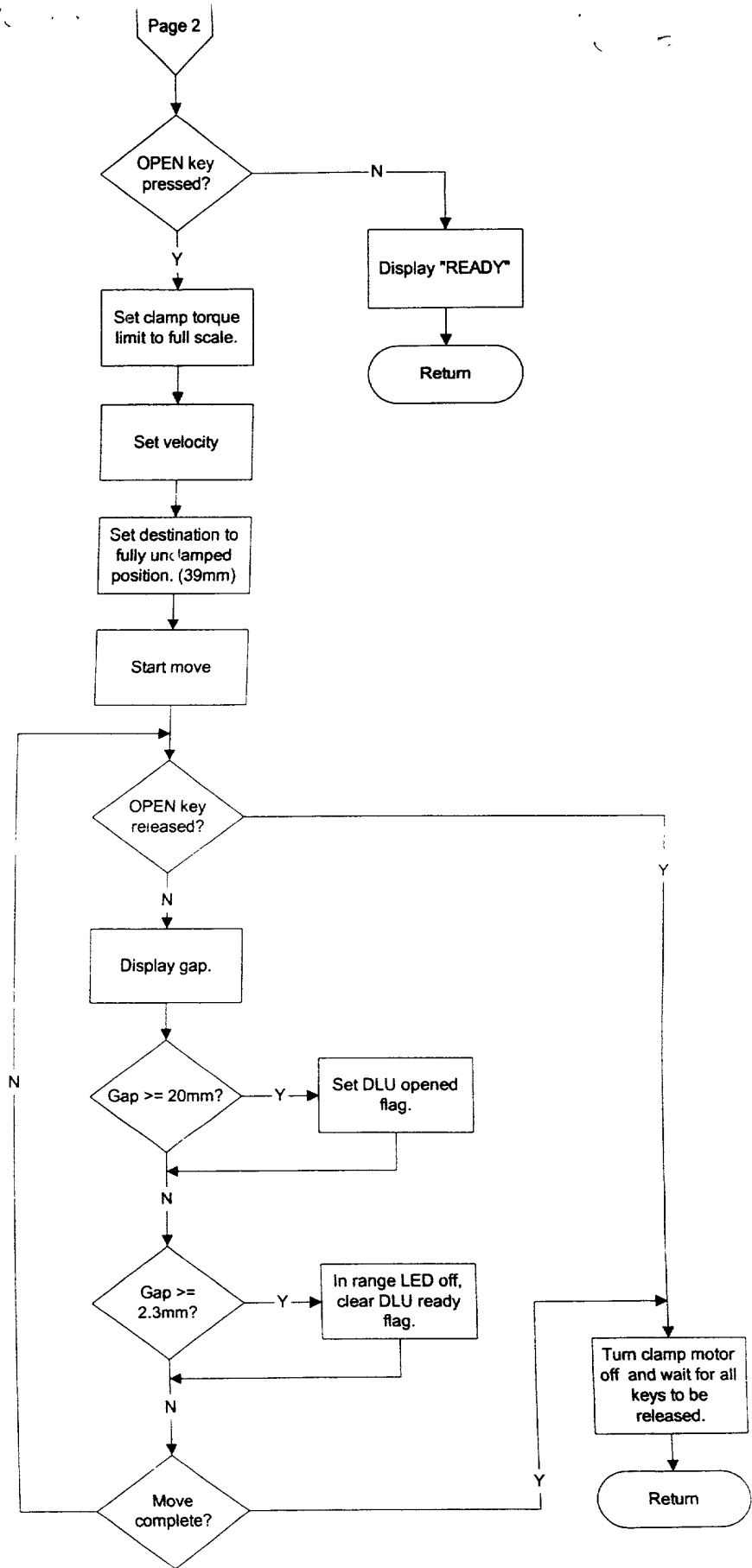


FIG. 23b